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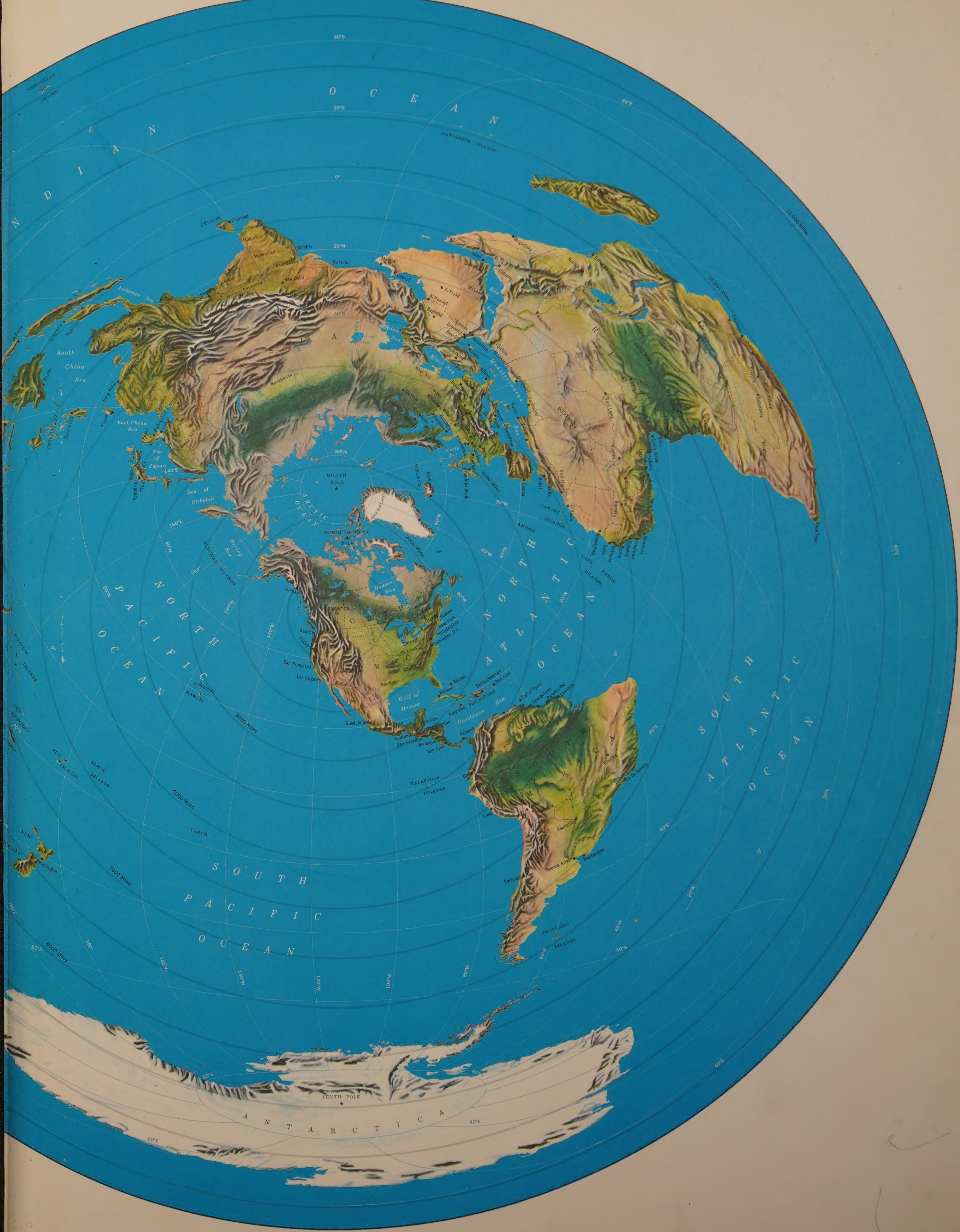

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NORTH PACIFIC OCEAN
SOUTH PACIFIC OCEAN
NORTH ATLANTIC OCEAN
SOUTH ATLANTIC OCEAN
ARCTIC OCEAN
ANTARCTICA
NORTH POLE
NORTH MAGNETIC POLE
SOUTH POLE
GREENLAND
ICELAND
Hudson Bay
Gulf of Mexico
Caribbean Sea
South China Sea
East China Sea
Sea of Japan
Sea of Okhotsk
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GALAPAGOS ISLANDS
FALKLAND ISLANDS
CANARY ISLANDS
AZORES
CAPE VERDE ISLANDS
MASCARENE ISLANDS
KERGUELEN ISLAND
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SAMOA ISLANDS
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ATLAS OF ALBERTA

GOVERNMENT OF ALBERTA
AND THE UNIVERSITY OF ALBERTA, EDMONTON

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ATLAS OF ALBERTA

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PREFACE

In 1967 the Province of Alberta, with all other provinces, celebrated Canada's Centennial of Confederation. Plans for the occasion included the conception and planning of an Atlas for the province. Time would not permit the completion of an Atlas worthy of our great province in time for the Centennial year. However, with the combined efforts of many persons and agencies the Atlas of Alberta is now proudly presented to the people of Alberta and the rest of the world. Herein one may find the features of the land and the people who live on it and develop its vast resources.

The Atlas, we are sure, will prove invaluable as a reference for our own citizens in schools, homes and offices. It should prove equally valuable to all those outside of Alberta who entertain an interest in this province.

It is appropriate that the Atlas of Alberta should appear at this time when there is world-wide interest in the development of our resources. We commend its study to all who seek knowledge of the many facets of life in our province.

Ernest C. Manning
E. C. Manning,
Premier of Alberta till 1968.

Harry E. Strom
H. Strom,
Premier of Alberta.

The Atlas of Alberta could not have been produced without full and enthusiastic co-operation between many persons in the Government and the University of Alberta, and those of us at the University who regarded its production as an appropriate Centennial project wish to express our thanks to the members of the Executive Council and their Departments who gave the Atlas project their support and guidance.

In such a dynamic geographic region as the Province of Alberta, data for population, industry, and resources undergo constant change, and some parts of this volume will need continuing review and revision. Nevertheless, the present edition will convey for many future generations of readers a picture of Alberta as it was one hundred years after Confederation and sixty-two years after this region became a province of the Dominion of Canada.

We hope that all those who laboured for four years to produce the material in this book will have the satisfaction of knowing that the information it contains will be of interest and value to a host of students, journalists, government officers, business men, and general readers for many years to come.

Walter H. Johns
Walter H. Johns,
President,
The University of Alberta.

ACKNOWLEDGEMENTS

The Executive Committee of the Atlas of Alberta acknowledges its appreciation of the help given by many individuals, federal, provincial and municipal government departments, the regional planning commissions, university departments, professional associations, crown and private companies and other bodies.

The names of those to whom they are especially indebted are listed below.

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**Members of the Advisory Committee of the Atlas of Alberta*

INTRODUCTION

Production of an Atlas of Alberta has been a goal for many of us at least as old as the introduction of Geography at the University of Alberta. Though interest in such a project was widespread, the practical problem of financing delayed its realization. It is appropriate that its preparation should mark the Centennial of Canadian Confederation.

The Executive Committee wishes to acknowledge the major contributions of two men through whose efforts the Atlas was approved as an official centennial project of the Government of Alberta and of the University of Alberta: Mr. E. S. Huestis, until recently Deputy Minister of Lands and Forests, who successfully translated his enthusiasm for the Atlas into official Government support; and Dr. W. H. Johns, President of the University, who has vigorously supported the project from its earliest formulation. Both men have found time in very busy schedules to meet with the Executive Committee. Happily, Mr. Huestis agreed to join the Committee officially, on his retirement as Deputy Minister. We also acknowledge the suggestions and contributions of the members of the Advisory Committee, particularly in the early stages of the project.

I should like to express my personal appreciation to my fellow members of the Executive Committee. From its initial formation in 1964 it has functioned with enthusiasm and dedication, involving frequent and extended meetings. Each member has made major contributions to the common objective of producing an accurate, informative, and pleasing atlas of our province. Without the special skills and knowledge of each member the Atlas would have suffered. I note particularly Dr. Laycock's intensive professional knowledge of Alberta, Professor Klawe's deft touch and skills as Cartographic Editor, Mr. Istvanffy's ability to assemble specialized data from masses of statistics, and Mr. Drinkwater's talent as Committee Secretary to bring orderly record from our involved discussions. Committee members have taken on numerous responsibilities for which little credit may be evident, but essentially it was they who converted an objective into reality.

We wish to thank the many people who assisted us in production of the Atlas, but for whom space does not permit individual acknowledgement. We only wish that we could have extended our coverage to include all the valuable suggestions made to us by so many Albertans, and acknowledged each. Finally, we are indebted to the students and technicians in the Department of Geography at the University, and to the skilled specialists in the Alberta Department of Lands and Forests and in Alberta Department of Highways who took our working maps and diagrams and converted them into finished products.

William C. Wonders.

William C. Wonders,
Chairman, Executive Committee.

Errata

Page 1 Read Yukon Territory
Page 18 Read Fort Smith, N.W.T.
Page 23 Read Wood Buffalo River
Page 69 Read dairy cattle (legend)
Page 91 Read Total Volume
Page 146 Building East of MacDonald Hotel.
Read Thornton Court
If any errors are found please inform the Editors.

Unless otherwise specified all statistical data are based on 1961 census sources

Scale of maps of Alberta:
Double Page 1:2,000,000 Single Page 1:3,300,000

LIST OF MAPS

ALBERTA IN THE WORLD/END PAPERS

1 **ALBERTA'S SETTING**

RELIEF AND GEOLOGY

2–3 **Physical Features**

4–5 **Paleogeography and Structure Section**
Middle Cambrian Sea–Middle Devonian Sea
Triassic Sea–Late Cretaceous Bearpaw Sea
Vertical Structure section of the Alberta Sedimentary Basin

6–7 **Bedrock Geology**

8 **Surficial Deposits**

9 **Physiography**

10–11 **Altitude**

12 **Glacial History**
Preglacial Rivers–Maximum ice
coverage during Wisconsin glaciation–
Probable position of ice front during
intermediate stage of deglaciation–
Probable position of ice front during
late stage of deglaciation.

CLIMATE

13 **Wind and Pressure, 1961**
January–April–July–October

14 **Temperature 1931-1960**
Mean temperature (January, April, July, October)–Warmest
month–Coldest month–Degree days–Temperature range.

15 **Temperature**
Last spring frost–Frost-free period–First fall frost–Winter
days with maximum above 40° F–Summer days with maximum
above 80° F–Winters in Western Canada
(very cold and very warm)

16 **Precipitation 1931-1960**
Mean precipitation (during growing season,
mean annual snowfall, mean annual number
of days with precipitation)–Variability
of precipitation (during growing season)–
Rainfall (May, June, July)

17 **Precipitation**
One day rainfall (5 and 25 year return)–Precipitation extreme–
Precipitation in Western Canada (Dry month in Alberta,
August, 1961. Wet month in Alberta, May 1964)–Maximum
precipitation date 1921-1951–Thunderstorms 1943-1957–
Hail Frequency 1951-1960.

18 **Climate, Sunshine and Cloudiness**
Climate (Selected weather stations 1931-1960,
Ten year running mean temperature,
Ten year running mean precipitation)–
Sunshine and Cloudiness (Hours of sunshine,
Hours of sunshine and cloudiness,
Percentage of sky covered by cloud, March, August)

19 **Water Demand, Surplus and Deficiency**
Average potential evapotranspiration–
Average actual evapotranspiration–Moisture index–
Average surplus, 4, ½ inch and 12 inch storage–
Average deficiency 4, ½ and 12 inch storage.

20–21 **Weather**
Chinook (4th February 1963, 11 a.m. and 11 p.m.)–
Hot spell, (12th and 13th July, 1964)–
Cold spell (13th and 14th December, 1964, 11 a.m.)–
Heavy snow (3rd February 1962 and 2nd and 3rd
February, 1962)–Heavy summer rain (22 June
1963, 5 a.m. and 20th-23rd June, 1963)–
Hail (27th July 1959, 5 p.m.
27th July 1959, 5 p.m.).

WATER

22–23 **Hydrography**

24 **Groundwater**
Groundwater flow–Aquifers in surficial deposits
(Local variations in groundwater chemistry)–
Bedrock Aquifers (Milk River Sandstone
Aquifer)–Groundwater Level Fluctuations:
Foremost 1957-1966, Calgary 1964 (graphs).

25 **Water Use**
Annual Flow

26 **Drainage Basins and Hydrometric Stations**

27 **Flow Regimen and Flow Variations**
Graphs: Slave River–Peace River
South Saskatchewan River–North Saskatchewan River–
Athabasca River–Bow River–Red Deer River–
Waterton River–Battle River–Willow Creek–
Sturgeon River–Manyberries Creek.

VEGETATION

28–29 **Vegetation, 1965**

30 **Plant Species**
Fire weed–Yellow Drayad–
Lousewort–Plantain–Arctic Winter Green–
Veined Dock–Water Arum–Lyall's
Saxifrage–Clustered Bur Reed–
Alpine Cress–Mock orange.

31 Tree Species
Jack Pine–Limber Pine–Lodgepole Pine–
Whitebark Pine–Balsam Fir–Alpine Fir–
Black Spruce–White Spruce–Alpine Larch–
Tamarack–Balsam Poplar–Narrow Leaf Cottonwood–
Trembling Aspen–Cottonwood–Water Birch–
White Birch.

32–33 Forest Inventory

SOIL

34 Soils

35 Land Resources

36–37 Soil Maps
Portion of Fort Vermilion area,
exploratory soil survey and land rating–
Portion of Edmonton Map Sheet,
reconnaissance soil survey and soil rating–
Portion of Taber Irrigation Project,
detailed soil survey and capability rating.

WILDLIFE

38–39 Ecosystems and Large Mammals
Ecosystems–Black Bear–Grizzly Bear–Mountain Lion–
Wolf–Bobcat–Canada Lynx–Mountain Goat–
White-tailed Deer–Mule Deer–Pronghorn Antelope–
Bighorn Sheep–Wapiti–Bison–Moose–Caribou.

40–41 Birds
Waterfowl (Migration routes, Staging areas,
Summer grounds)–Ecological Zones–
Breeding Ranges (Jays, Shorebirds,
Chickadees, Juncoes, Warblers, Owls,
Predator-Prey)–Game bird distributions.

42 Fish
Dolly Varden–Brook Trout–Rainbow Trout–
Brown Trout–Walleye–Cutthroat Trout–
Goldeye–Lake Trout–Mountain Whitefish–
Northern Pike–Arctic Grayling.

HISTORY

43 Archaeology and Native People
Archaeology (Early migration routes,
Types of stone points, Archaeological sites)–
Languages, Housing and Transportation.

44–45 Exploration and Fur Trade
Henday (1754-1755)–Hearne (1770-1772)–
Mackenzie (1789-1793)–Fidler (1782 to 1800 and 1793)–
Pond (1778)–Fraser (1805-1807)–Thompson (1807-1812)–
Franklin (1826)–Richardson (1826)–
Palliser's Expedition (1857-1860)–Early Water
Transportation and the Fur Trade.

46 Political Evolution
Boundary changes: 1763, 1870, 1882, 1898,
1906, and 1965–Alberta during the territorial
period (1870-1905)–Alberta becomes a Province 1905.

47 Land Surveys
Date of Survey–Alberta, U.S.A. boundary.

48–49 Early Maps
Bolognino Zaltieri, 1567–Thomas Jefferys, 1762–
Philippe Buache, 1760–David Thompson, 1813, 1814–
Peter Pond, 1785–Alexander Mackenzie, 1793–
James Ubyld, 1827–J. Arrowsmith, 1832.

POPULATION

50 Population, 1881-1961
1881–1891–1901–1911–1921–1931–
1941–1951–1961.

51 Population Changes, 1901-1961
1901 to 1911–1911 to 1921–1921 to 1931–
1931 to 1941–1941 to 1951–1951 to 1961–
1931 to 1941–1941 to 1951–1951 to 1961–
1911 to 1961–Graphs: Rural and Urban population, 1901-1961,
Population by census divisions, 1901-1961.

52–53 Population, Urban and Rural Distribution

54 Population: Origin and Migration

Origin (1911, 1921, 1941, 1961)–
Population change 1951 to 1961–
Net Migration 1951 to 1961–Migration 1956-1961–
Percent population increase, (graph)
Natural Increase and Net Migration.

55 Vital Statistics
Population Structure–Fertility rate–
Marriage rate–Birth rate–Death rate–
Rate of natural increase.

56 Predominant Ethnic Origin, 1961

57 Predominant Religion, 1961

58 Ethnic Origin
British–German–Ukrainian–Scandinavian–
French–Netherlands–Polish–Russian–
Indian and Eskimo–Other European–Others.

59 Religion
United Church–Roman Catholic–Anglican–
Lutheran–Presbyterian, Other–Greek Orthodox–
Mormon–Baptist–Mennonite–Ukrainian Catholic–
Pentecostal.

60 Ethnic Origin and Religion, Calgary
Ethnic Origin: British Isles–German–Scandinavian–
French–Netherlands–Ukrainian–Polish–Italian–
Russian–Asiatic.

Religions: United Church–Roman Catholic–Anglican–Lutheran–Presbyterian–Baptist–Pentecostal–Greek Orthodox–Hebrew–Ukrainian Catholic.

61 **Ethnic Origin and Religion, Edmonton**
Ethnic Origin: British Isles–German–Ukrainian–French–Scandinavian–Polish–Netherlands–Italian–Asiatic–Russian.
Religions: United Church–Roman Catholic–Anglican–Lutheran–Greek Orthodox–Presbyterian–Baptist–Ukrainian Catholic–Pentecostal–Hebrew.

62 **Educational Attainment**
No formal education–Incomplete university–University degree–Elementary–Secondary–Student Population.

63 **Employment Structure**
Changes in employment structure 1941 and 1961 (Types of economic structure)–Employment structure (by labour force in each industry group).

64 **Income from Wages and Salaries**
Income Groups–Total annual income (male, female)–Average annual income (urban, rural non-farm, rural farm).

65 **Some Indicators of Standard of Living**
Passenger automobiles–Television sets–Domestic heating–Running water and bathing facilities–Cash rent–Housing Characteristics–Refrigeration–Rooms per person.

LAND USE

66–67 **Land Use**

AGRICULTURE

68 **Farm Size**
Size of farm–Average size.

69 **Type of Farm**

70 **Farm Value**
Land and buildings–Machinery–Livestock and poultry–Total value per farm, per acre and by municipality.

71 **Agricultural Products Sales**
Wheat–Other Grains–Oilseeds–Other Crops–Dairy Products–Cattle–Pigs–Other livestock–Total revenue from agricultural products.

72 **Farm Tenure and Non-Farm Work**
Farm tenure by farm and by acreage–Non-farm work (days worked and type of work).

73 **Farm Labour**
Paid workers (permanent and part-time paid labour)–Unpaid family workers (male and female).

74 **Irrigation, Fertilizer, New Breaking**
Irrigation by administrative districts (administrative districts, percentage of crops grown on irrigated land, acres irrigated)–Farms–Crops–Usage of chemical fertilizer–New breaking (1951 and 1961).

75 **Farm Land Use**
Farm land use–Land use changes–Acreage.

76 **Wheat, Barley and Oats, 1961**
Cultivated land sown in wheat, barley and oats–Acreage in Alberta–Acreage in Canada.

77 **Rye, Flaxseed and Rapeseed, 1961**
Cultivated land sown–Acreage
Acreage in Canada–Rye–Flaxseed–Rapeseed.

78 **Mixed Grains, Fodder Crops and Improved Pasture, 1961**
Mixed Grains–Acreage–Cultivated land sown in mixed grain, fodder crops and improved pasture–Acreage in Canada–Fodder Crops–Improved pasture.

79 **Other Crops, 1961**
Cultivated land sown to potatoes, sugar beets, mustardseeds and other oilseeds–Acreage: Alberta, Canada (graphs)–Sugar Beets–Potatoes–Mustardseeds and other oilseeds.

80 **Production and Yield — Selected Crops**
Wheat–Barley–Oats–Rye–Rapeseed–Flaxseed–Production–Yield–Tame Hay (production and yield per acre).

81 **Livestock**
Livestock–Livestock changes.

82 **Dairying**
Milk cows–Milk production and number of milk cows–Number of farms with milk cows–Milk cows in Canada–Milk products–Average yield of milk cow per year–Milks uses and production–Dairy farmers–Use of milk.

83 **Beef Cattle**

84 **Pigs, Sheep, and Horses**

85 **Poultry**
Turkeys, ducks and geese–Hens and chickens–Egg production–Graphs: Alberta, Canada.

86 **Agricultural Services and Land Availability**
Public lands availability–Veterinarian Services.

FORESTRY

87 **Forest Services**

88–89 **Forest Productivity**

90 **Forestry**
Timber cut 1965: Deciduous and Coniferous species–
Productive Land–Fire Loss 1956-1965–
Reforestation, 1965.

91 **Forest Products**

92–93 **Crown Forest and Range**

FISHING AND TRAPPING

94 **Commercial Fishing and Trapping**

MINERALS

95 **Minerals of Alberta**

Marl–Sodium Sulphate–Salt–Limestone–
Dolomite–Bentonite–Pumicite–Clays and
Shales–Silica Sand–Gypsum–Iron-rich Deposits.

96 **Oil and Gas Occurrence**
Thickness of total sediments–
Cross Sections: Medicine Hat–
Turner Valley–Athabasca Bituminous Sands–
Pembina–Willingdon.

97 **Oil and Gas Exploration**
Exploratory and development drillings (graph)–
Reserves for exploratory wells (graph)–
Discovery date–Producing oil wells, 1965–
Producing Gas Wells, 1965.

98 **Crude Oil Reserves**
Crude Oil Reserves–Oil Reserves (graph)–
Growth of remaining recoverable reserves
1950 to 1965 (graph).

99 **Natural Gas Reserves**
Natural gas reserves–Growth of remaining
marketable reserves 1950 to 1965 (graphs).

100 **Crude Oil Production**

101 **Natural Gas Production**

102 **Refineries and Pipelines**

103 **Oil and Gas Product Distribution in North America**
Main oil and gas pipelines–Crude oil markets, 1965–
Natural gas markets, 1965–
Markets for Alberta crude oil, condensates and pentanes
plus–Markets for Alberta natural gas.

104 **Reserves of Natural Gas Liquids and Sulphur**
Reserves of natural gas liquids and sulphur–
Graphs: Propane–Butanes–Pentanes Plus.

105 **Production of Natural Gas Liquids and Sulphur**
Production of natural gas liquids and sulphur–
Graphs: Sulphur, Propane–Butanes–Pentanes Plus.

106 **Coal**
Coal bearing formations–Regional
cross-sections–Number of mines (1906-1965)–
Coal areas and producing coal mines (1964)–
Coal reserves.

107 **Coal**
Graphs: Production in Alberta,
Employment, Percent of Canadian
production, Markets–Number of
men employed (1965)–Production (1965)–
Markets (1965).

POWER

108 **Electric Power**

MANUFACTURING

109 **Growth of Manufacturing**
Gross value of production–
Growth of gross value (graph)–
Distribution of gross value–Western Canada (graph)–
Net value of production–Growth of net value (graph)–
Firms by numbers of employees–
Whole province (graph).

110 **Value of Production**

111 **Manufacturing Industries Gross Value of Production, 1961**
Primary metal–Transportation–
Petroleum and coal–Metal fabrication–
Electrical–Chemical–Machinery–
Non-metallic minerals–Miscellaneous.

112 **Manufacturing Industries Gross Value of Production, 1961**
Rubber–Knitting mills–Furniture and Fixtures–
Leather–Clothing–Paper and Allied industries–
Textiles–Wood–Printing industries.

113 **Manufacturing Industries Gross Value of Production, 1961**
Meat–Vegetable Canning–Bakery–
Butter and Cheese–Feed mills–
Beverage–Other dairy products–Other
Grain mills–Miscellaneous food processing.

SERVICE

114 **Retail Sales, 1961**
Urban and rural sales–Commodity group sales–
Proportional expenditures: Food, General merchandise,
Service stations and garages, Automobile parts
and accessories, Apparel and accessories,
Hardware and home furnishings, Drugstores, Other.

115 **Retail Market Changes**
Share of total sales–Retail stores–
Proportion of total sales 1931 and 1961 (graphs)–
Sales in constant dollars, 1931, 1941,
1951 and 1961.

116 **Wholesale and Service**
Wholesale volume: Total sales, Service units–
Service volume: Urban and rural, service units.

117 **Highway Traffic**
Highway traffic–Insets for: Red Deer,
Edmonton, Calgary, De Winton to Nanton.

118–119 **Roads**

120 **Railways**

121 **Air Traffic**

122 **Telecommunications**

123 **Telephones**
Number of telephone calls–Number of
telephones–Calls from Alberta to other
areas in Canada (graph)–Foreign calls
originating in Alberta–Distribution of
telephones in Alberta (graph)–Number
of long distance calls to all points.

124 **Newspapers and Libraries**
Daily and weekly newspapers–
Public and special libraries.

125 **Radio, Television and Cinemas**
Radio broadcasting ranges:
Edmonton, Calgary and other centres–
Television stations–Cinemas.

126 **Education, 1965**
Public schools–Higher education–
Schools for Indians–Private schools.

127 **Health Services**
Dentist–Physicians and Surgeons–
Auxiliary hospitals and nursing homes–
Active treatment hospitals.

128 **Recreation**
Points of Interest–National and Provincial Parks–
Campsites–Ski Areas–Hot Springs.

129 **Selected Parks**
National: Jasper, Banff, Elk Island,
Waterton Lakes–Provincial: Dinosaur, Cypress Hills.

SETTLEMENT PATTERNS

130–131 **Dispersed Rural Settlement**
Seed farm–Mixed farm (hogs, grain)–
Dairy farm–Mixed farm–
Mixed farm (cow, calf, feeder grain)–
Feedlot–Beef farm.

132–133 **Dispersed Rural Settlement**
Grain farm–Irrigated farm–
Plains ranch–Dryland grain farm–
Mink farm–Foothills ranch.

134–135 **Agglomerated Rural Settlement**
Kikino Metis colony–
Blackfoot Indian reservation–
New Dale Hutterite colony.

136–137 **Villages and Small Towns**
Picture Butte–Kinuso–Devon–
High River–Foremost–Jasper–
Fort Chipewyan–Athabasca.

138–139 **Large Towns and Small Cities**
Drayton Valley–Vermilion–Wetaskiwin–
Banff–Drumheller–Coleman–
Whitecourt–Camrose.

140 **Large Cities — Growth**
Grande Prairie–Red Deer–
Lethbridge–Medicine Hat.

141 **Large Cities — Land Use**
Grande Prairie–Red Deer–
Lethbridge–Medicine Hat.

142 **Metropolitan Centres: Site and Growth**
Edmonton, Calgary.

143 **Metropolitan Centres**
Edmonton, Calgary: Travel time,
Average daily traffic.

144–145 **Metropolitan Centres: Land Use**
Edmonton–Calgary.

146–147 **Urban Patterns**
Edmonton: Civic Centre, River Valley development
Residential Neighborhood Unit (Lendrum Place)
Calgary: Prince's Island and Bow River study,
Proposed Urban renewal (Churchill Park).

148–149 **Growth and Decline Patterns**
High Level–Swan Hills–Nordegg–
Pincher Creek–Fort McMurray–Cereal–
Edson–Bow Island.

150 **Labour Force and Earnings, 1965**
Edmonton–Calgary–Lethbridge.

151 **Urban Trading Areas**

152 **Regional Planning Commissions**

ADMINISTRATION

153 **Administrative Divisions**
Census Divisions and Municipalities–
Judicial Districts–Federal Electoral
Districts–Provincial Electoral Divisions.

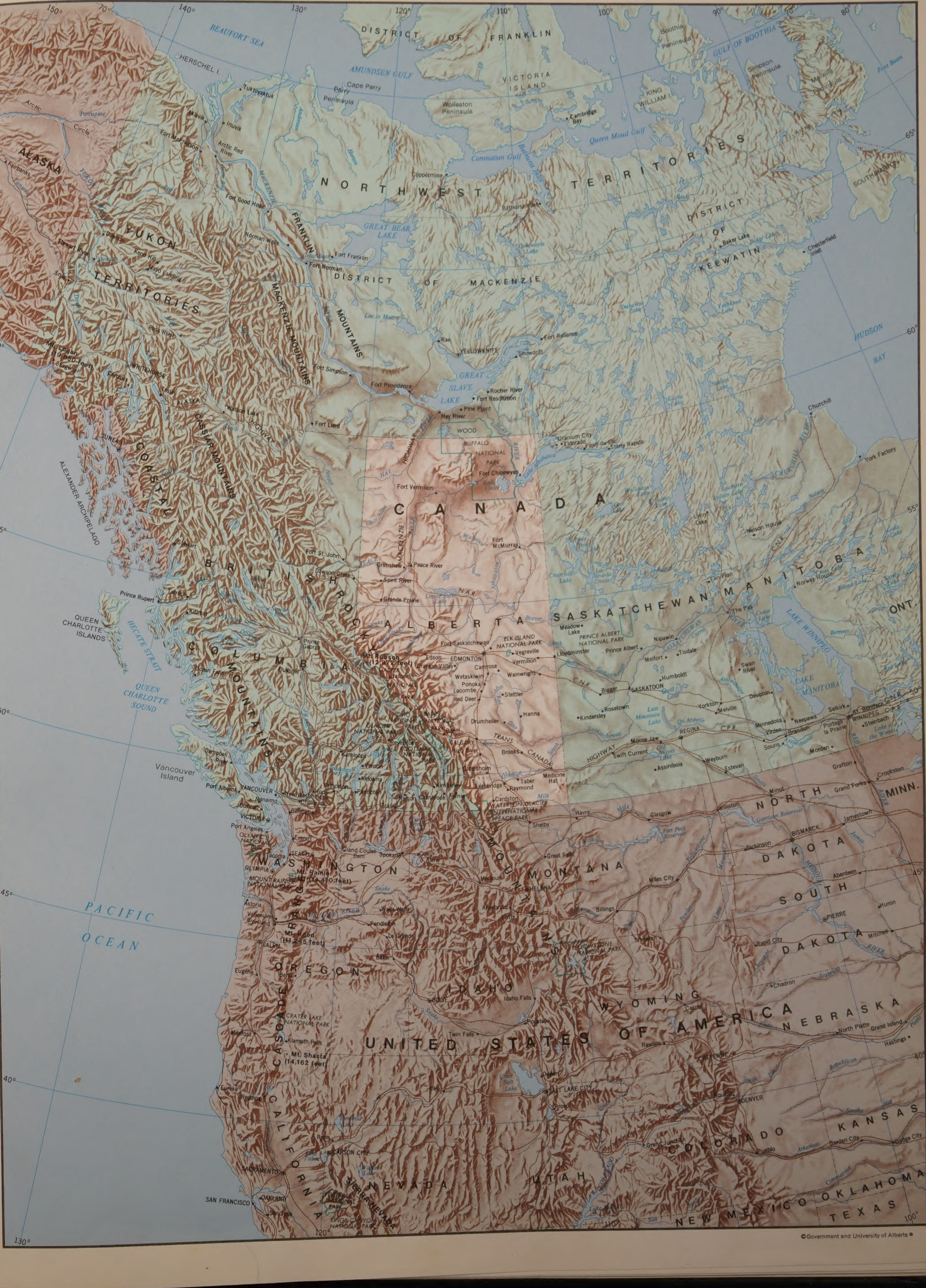
154 **Photographs and Maps**
Aerial vertical photography–
Lands and Forests planimetric maps–
Lands and Forests forest maps.

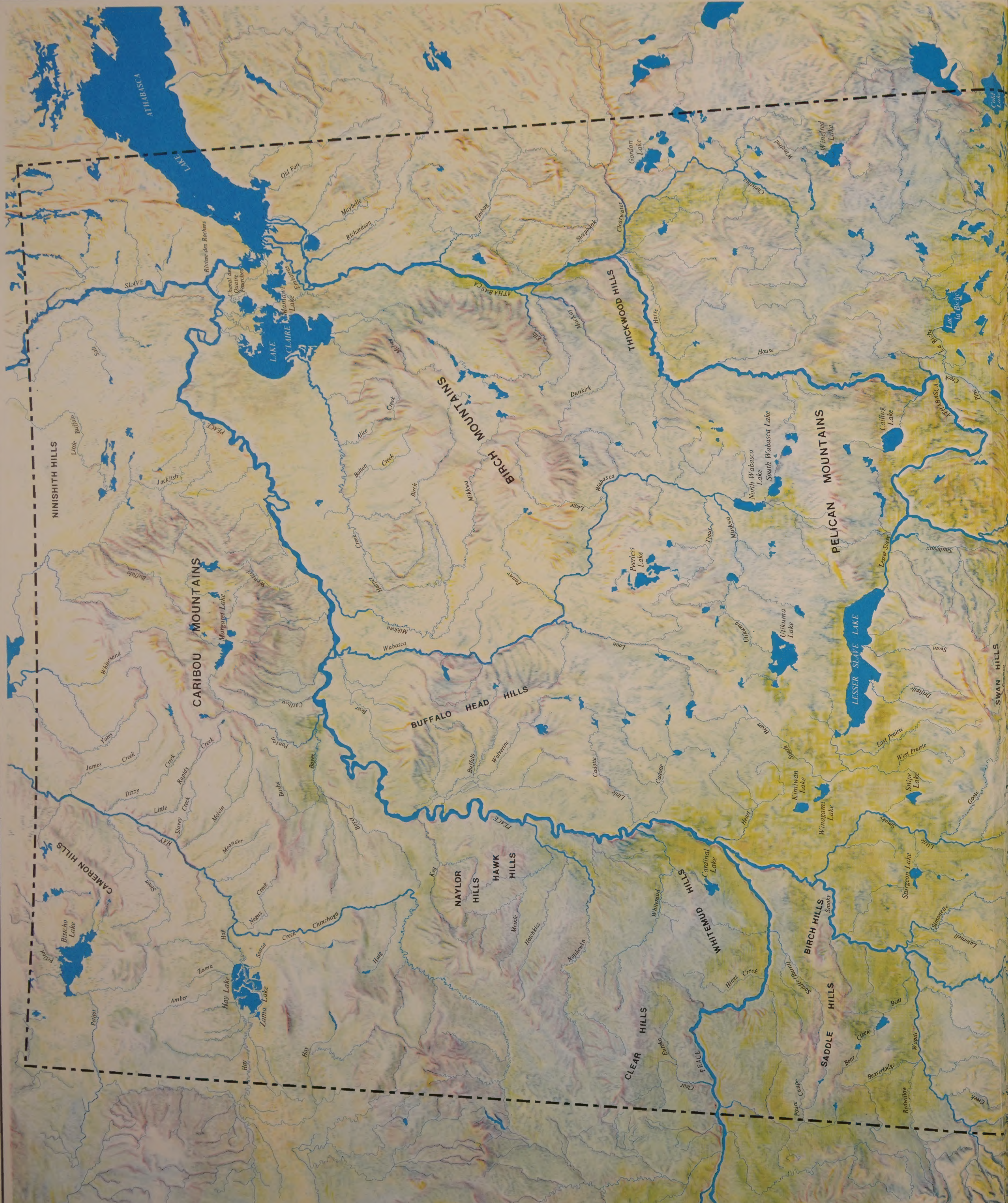
155 **Maps**
Lands and Forests maps–
Coverage by individual sheets
of the National Topographic System–
National Topographic series.

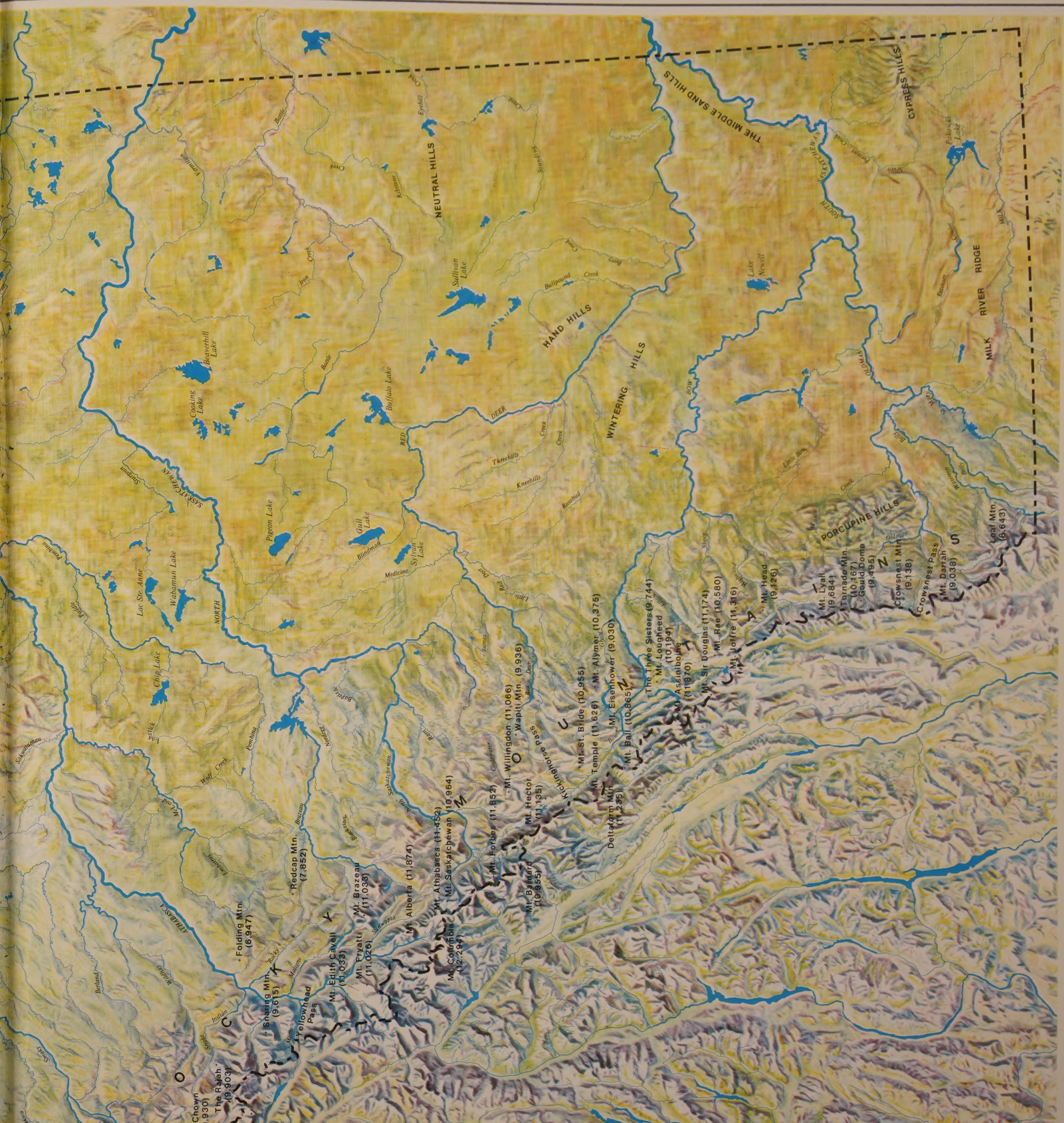
156–157 **Populated Places**

158 **Location of Historical Sites and Museums**

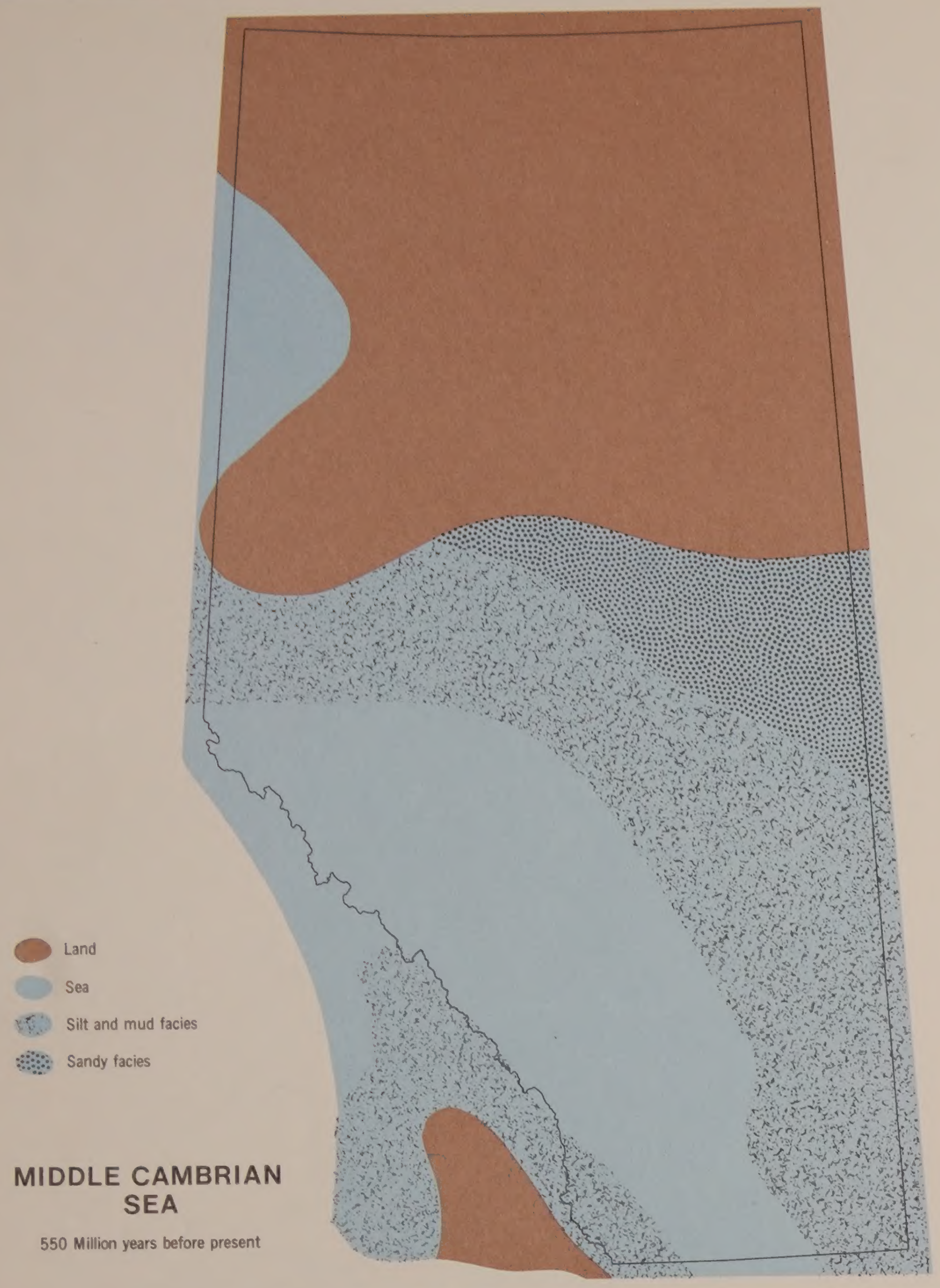
159–162 **Index**


BEAUFORT SEA
HERSCHEL I.
AMUNDSEN GULF
DISTRICT OF FRANKLIN
VICTORIA ISLAND
Cape Parry
Parry Peninsula
Wollaston Peninsula
KING WILLIAM I.
Cambridge Bay
Queen Maud Gulf
Boothia Peninsula
GULF OF BOOTHIA
Simpson Peninsula
Melville Peninsula
Foxe Basin
Tuktoyaktuk
Aklavik
Inuvik
Fort McPherson
Arctic Red River
Arctic Circle
Porcupine
ALASKA
Fairbanks
YUKON
MACKENZIE
Coppermine
Coronation Gulf
Bathurst Inlet
NORTHWEST TERRITORIES
DISTRICT OF KEEWATIN
Baker Lake
Chesterfield Inlet
SOUTHAMPTON I.
Fort Good Hope
FRANKLIN
GREAT BEAR LAKE
Norman Wells
Fort Franklin
Fort Norman
YUKON TERRITORIES
Dawson
Stewart River
Keno Hill
Mayo Landing
DISTRICT OF MACKENZIE
MACKENZIE MOUNTAINS
MOUNTAINS
Lac la Martre
Rae
YELLOWKNIFE
Fort Reliance
Snowdrift
Mt. Logan (19,850 feet)
WHITEHORSE
Carcross
ALASKA HIGHWAY
Fort Simpson
Fort Providence
GREAT SLAVE LAKE
Rocher River
Fort Resolution
Pine Point
Hay River
HUDSON BAY
Churchill
Watson Lake
Fort Liard
JUNEAU
CASSIAR MOUNTAINS
COASTAL
WOOD BUFFALO NATIONAL PARK
Uranium City
Eldorado
Stony Rapids
Fort Chipewyan
Lake Athabasca
York Factory
ALEXANDER ARCHIPELAGO
Fort Vermilion
CANADA
Fort McMurray
Southern Indian Lake
Nelson House
Lynn Lake
Fort St. John
Dawson Creek
Grimshaw
Peace River
Spirit River
Grande Prairie
Prince Rupert
Kitimat
BRITISH
ROCKY
MANITOBA
Flin Flon
Norway House
The Pas
LAKE WINNIPEG
ONT.
QUEEN CHARLOTTE ISLANDS
HECATE STRAIT
ALBERTA
SASKATCHEWAN
Meadow Lake
PRINCE ALBERT NATIONAL PARK
Prince Albert
Nipawin
Tisdale
Melfort
Humboldt
Swan River
Prince George
COLUMBIA
Mt. Robson (12,972 feet)
Edson
Fort Saskatchewan
ELK ISLAND NATIONAL PARK
EDMONTON
Vegreville
Vermilion
Lloydminster
Drayton Valley
Camrose
Wetaskiwin
Ponoka
Lacombe
Wainwright
Red Deer
Stettler
Hanna
Drumheller
Biggar
SASKATOON
Rosetown
Kindersley
Yorkton
Melville
Dauphin
LAKE MANITOBA
Selkirk
WINNIPEG
St. Boniface
Portage la Prairie
Steinbach
Lake of the Woods
QUEEN CHARLOTTE SOUND
MOUNTAINS
CALGARY
TRANS CANADA HIGHWAY
Brooks
Medicine Hat
Moose Jaw
REGINA
Swift Current
Assiniboia
Weyburn
Estevan
Minnedosa
Neepawa
Brandon
Virden
Souris
Morden
C.N.R.
C.P.R.
Kamloops
Campbell River
Vancouver Island
Port Alberni
VANCOUVER
Nanaimo
VICTORIA
Kelowna
Penticton
Cranbrook
Fernie
Claresholm
Lethbridge
Taber
Raymond
Cardston
WATERTON GLACIER INTERNATIONAL PEACE PARK
Shelby
Havre
Glasgow
Williston
Minot
Grafton
Grand Forks
Crookston
NORTH DAKOTA
MINN.
Fort Peck Reservoir
Garrison Reservoir
BISMARCK
Jamestown
Dickinson
Port Angeles
OLYMPIC NATIONAL PARK
Everett
SEATTLE
OLYMPIA
WASHINGTON
Mt. Rainier (14,410 feet)
MOUNT RAINIER NATIONAL PARK
Grand Coulee Dam
Spokane
Coeur d'Alene
Great Falls
MONTANA
Missoula
HELENA
Miles City
Aberdeen
Billings
Huron
SOUTH DAKOTA
PIERRE
Mitchell
Rapid City
PACIFIC OCEAN
Vancouver
Portland
Walla Walla
Pendleton
La Grande
Mt. Hood (11,245 feet)
SALEM
Eugene
Bend
OREGON
Baker
YELLOWSTONE NATIONAL PARK
IDAHO
BOISE
Idaho Falls
Pocatello
WYOMING
Casper
Chadron
NEBRASKA
North Platte
Grand Island
Hastings
CRATER LAKE NATIONAL PARK
Medford
Klamath Falls
Mt. Shasta (14,162 feet)
CASCADE
Twin Falls
UNITED STATES OF AMERICA
Rawlins
CHEYENNE
Eureka
Redding
Ogden
Great Salt Lake
SALT LAKE CITY
Boulder
DENVER
Provo
CALIFORNIA
Reno
CARSON CITY
Grand Junction
COLORADO
Pueblo
Garden City
Dodge City
KANSAS
SACRAMENTO
NEVADA
UTAH
SIERRA NEVADA
YOSEMITE NATIONAL PARK
SAN FRANCISCO
OAKLAND
KINGS CANYON NATIONAL PARK
OKLAHOMA
NEW MEXICO
TEXAS
150°
140°
130°
120°
110°
100°
90°
80°
70°
65°
60°
55°
50°
45°
40°


LAKE ATHABASCA
Old Fort
Maybelle
Richardson
Firebag
Steepbank
Clearwater
Gordon Lake
Winefred
Winefred Lake
Christina
Rivière des Rochers
Chenal des Quatre Fourches
Embarras
Mamawi Lake
LAKE CLAIRE
SLAVE
ATHABASCA
THICKWOOD HILLS
MacKay
Ells
Horse
House
Lac la Biche
La Biche
Pine
Calling Lake
ATHABASCA
Salt
Little Buffalo
NINISHITH HILLS
Jackfish
PEACE
McIvor
Alice
Creek
Bolton
Creek
Birch
BIRCH MOUNTAINS
Mikkwa
Dunkirk
Wabasca
Liège
North Wabasca Lake
South Wabasca Lake
PELICAN MOUNTAINS
Muskwa
Trout
Peerless Lake
Lesser Slave
Saulteaux
Buffalo
Wentzel
CARIBOU MOUNTAINS
Margaret Lake
Creek
Jaspar
Panny
Mikkwa
Wabasca
Utikuma
Utikuma Lake
Loon
LESSER SLAVE LAKE
Swan
SWAN HILLS
Driftpile
Whitesand
Caribou
Bear
Ponton
Boyer
BUFFALO HEAD HILLS
Buffalo
Wolverine
Cadotte
Cadotte
Little
Heart
Sulfur
East Prairie
West Prairie
Kimiwan Lake
Winagami Lake
Snipe Lake
Goose
Yates
James
Creek
Creek
Dizzy
Rapids
Creek
Little
Slavey
Melvin
Bushe
Boyer
PEACE
Heart
Smoky
Little
HAY
Meander
Steen
CAMERON HILLS
Creek
Keg
NAYLOR HILLS
HAWK HILLS
Cardinal Lake
WHITEMUD HILLS
Whitemud
Sturgeon Lake
Bistcho Lake
Hay
Nepus
Chinchaga
Sousa
Creek
Hotchkiss
Notikewin
BIRCH HILLS
Smoky
Simonette
Lalonnell
Petitot
Zama
Amber
Hay Lake
Zama Lake
Haig
Hines Creek
Saddle (Burnt)
SADDLE HILLS
Bear
Petitot
Hay
Hay
CLEAR HILLS
Eureka
Clear
PEACE
Pouce Coupe
Bear
Creek
Beaverlodge
Wapiti
Redwillow
Creek

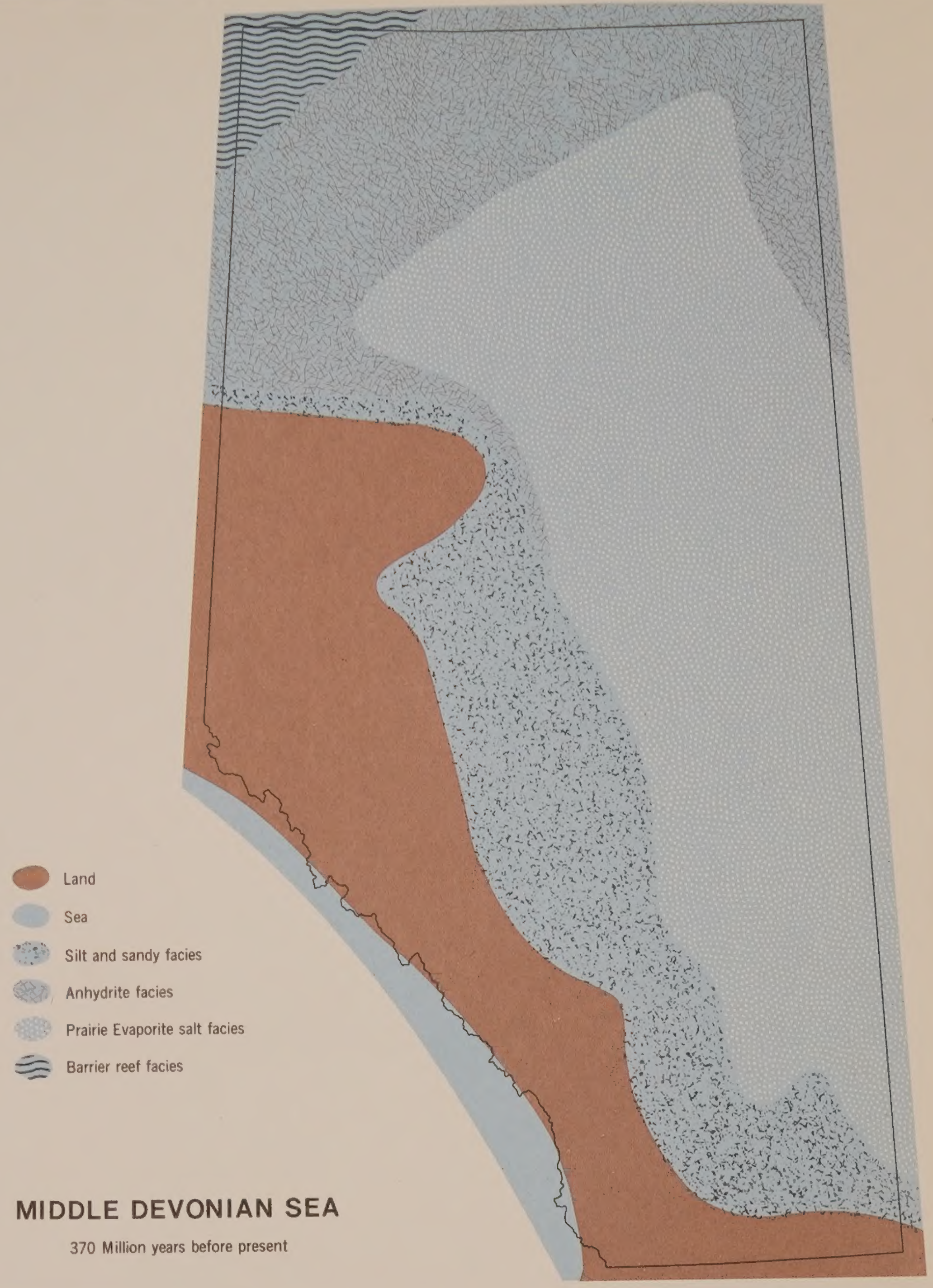

THE MIDDLE SAND HILLS
CYPRESS HILLS
NEUTRAL HILLS
HAND HILLS
WINTERING HILLS
MILK RIVER RIDGE
PORCUPINE HILLS
ROCKY MOUNTAINS
Battle
Vermilion
Ribstone
Eyehill Creek
Sounding Creek
Iron Creek
Berry Creek
Bullpound Creek
Sullivan Lake
Beaverhill Lake
Cooking Lake
Buffalo Lake
Pigeon Lake
Gull Lake
Blindman
Sylvan Lake
Medicine
Wabamun Lake
Lac Ste. Anne
Chip Lake
Sturgeon
Pembina
Lobstick
Wolf Creek
McLeod
Embarras
Brazeau
Baptiste
Nordegg
Blackstone
Ram
Clearwater
James
Little Red Deer
RED DEER
Threehills Creek
Kneehills Creek
Rosebud
NORTH SASKATCHEWAN
SOUTH SASKATCHEWAN
BOW
Ghost
Sheep
Highwood
Little Bow
Lake Newell
Pakowki Lake
Oldman
Willow Creek
Belly
Waterton
St. Mary
MILK
ATHABASCA
Berland
Wildhay
Smoky
Snake Indian
Rocky
Maligne
Miette
Sunwapta
Intersection Mtn. (8,075)
Mt. Pauline (8,704)
Mt. Robson (12,972)
Mt. Chown (10,930)
The Rajah (9,903)
Snaring Mtn. (9,615)
Yellowhead Pass
Folding Mtn. (6,947)
Redcap Mtn. (7,852)
Mt. Edith Cavell (11,033)
Mt. Fryatt (11,026)
Mt. Brazeau (11,038)
Mt. Alberta (11,874)
Mt. Columbia (12,294)
Mt. Athabasca (11,452)
Mt. Saskatchewan (10,964)
Mt. Forbes (11,852)
Mt. Balfour (10,955)
Mt. Hector (11,135)
Mt. Willingdon (11,066)
Wapiti Mtn. (9,936)
Kickinghorse Pass
Mt. St. Bride (10,955)
Mt. Temple (11,626)
Deltaform Mtn. (11,235)
Mt. Aylmer (10,375)
Mt. Eisenhower (9,030)
Mt. Ball (10,865)
The Three Sisters (9,744)
Mt. Lougheed (10,194)
Mt. Assiniboine (11,870)
Mt. Sir Douglas (11,174)
Mt. Rae (10,580)
Mt. Joffre (11,316)
Mt. Head (9,126)
Mt. Lyall (9,684)
Tornado Mtn. (10,167)
Gould Dome (9,495)
Crowsnest Mtn. (9,138)
Crowsnest Pass
Mt. Darrah (9,038)
Loaf Mtn. (8,643)

PALEOGEOGRAPHY AND STRUCTURE SECTION


Land
Sea
Silt and mud facies
Sandy facies

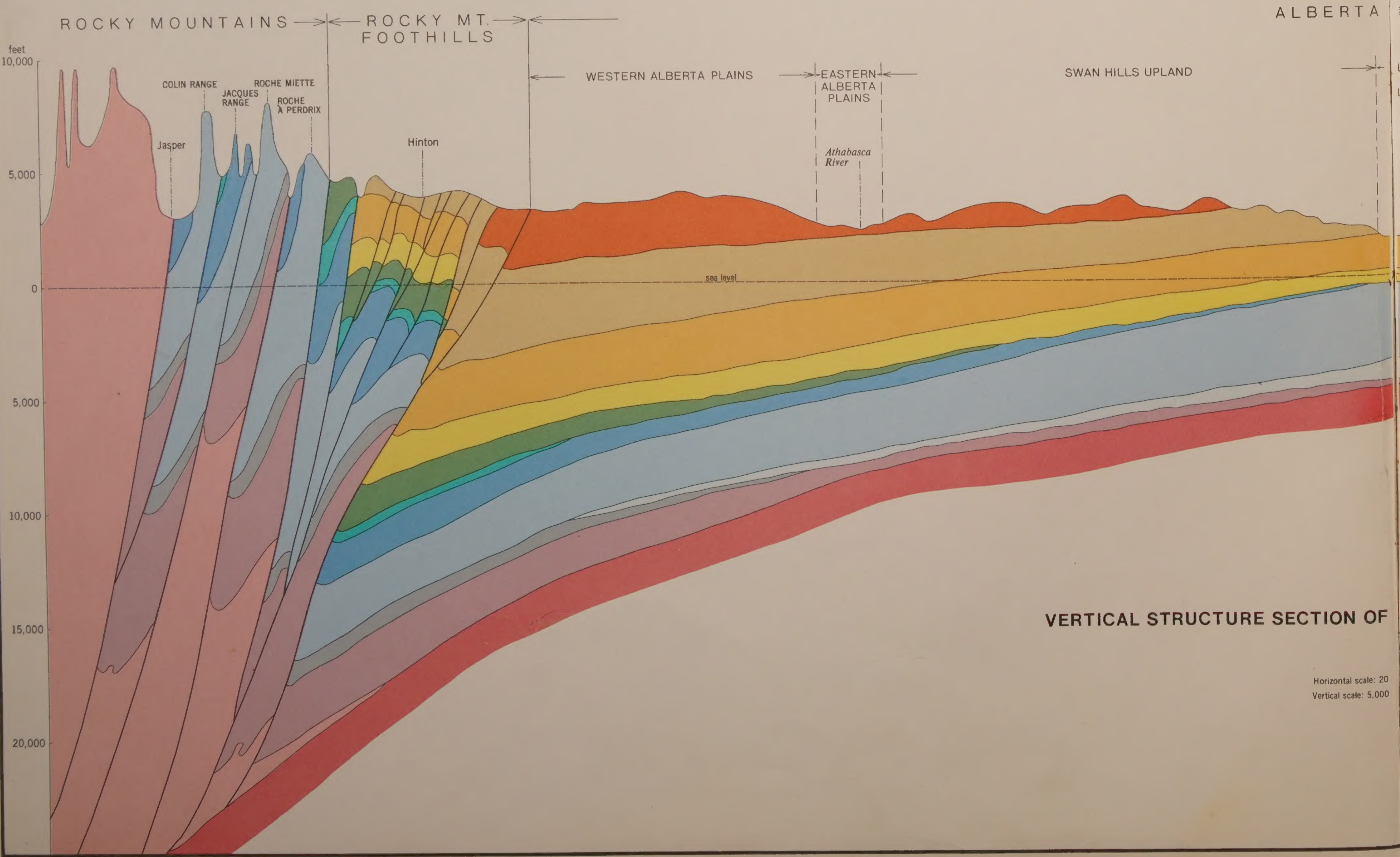
MIDDLE CAMBRIAN SEA

550 Million years before present


Land
Sea
Silt and sandy facies
Anhydrite facies
Prairie Evaporite salt facies
Barrier reef facies

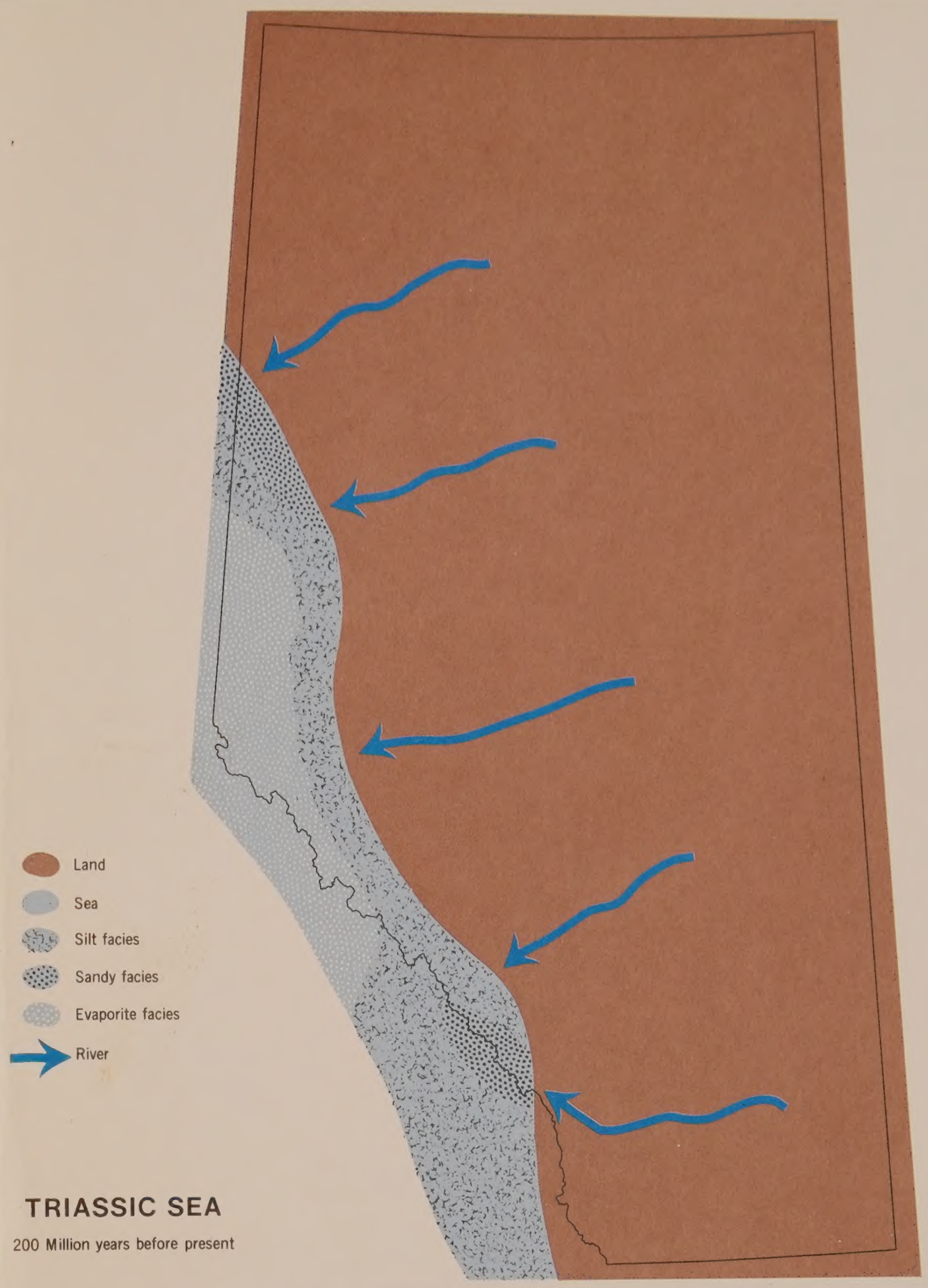
MIDDLE DEVONIAN SEA

370 Million years before present


ROCKY MOUNTAINS
ROCKY MT. FOOTHILLS
ALBERTA
WESTERN ALBERTA PLAINS
EASTERN ALBERTA PLAINS
SWAN HILLS UPLAND
feet
10,000
5,000
0
5,000
10,000
15,000
20,000
COLIN RANGE
JACQUES RANGE
ROCHE MIETTE
ROCHE À PERDRIX
Jasper
Hinton
Athabasca River
sea level

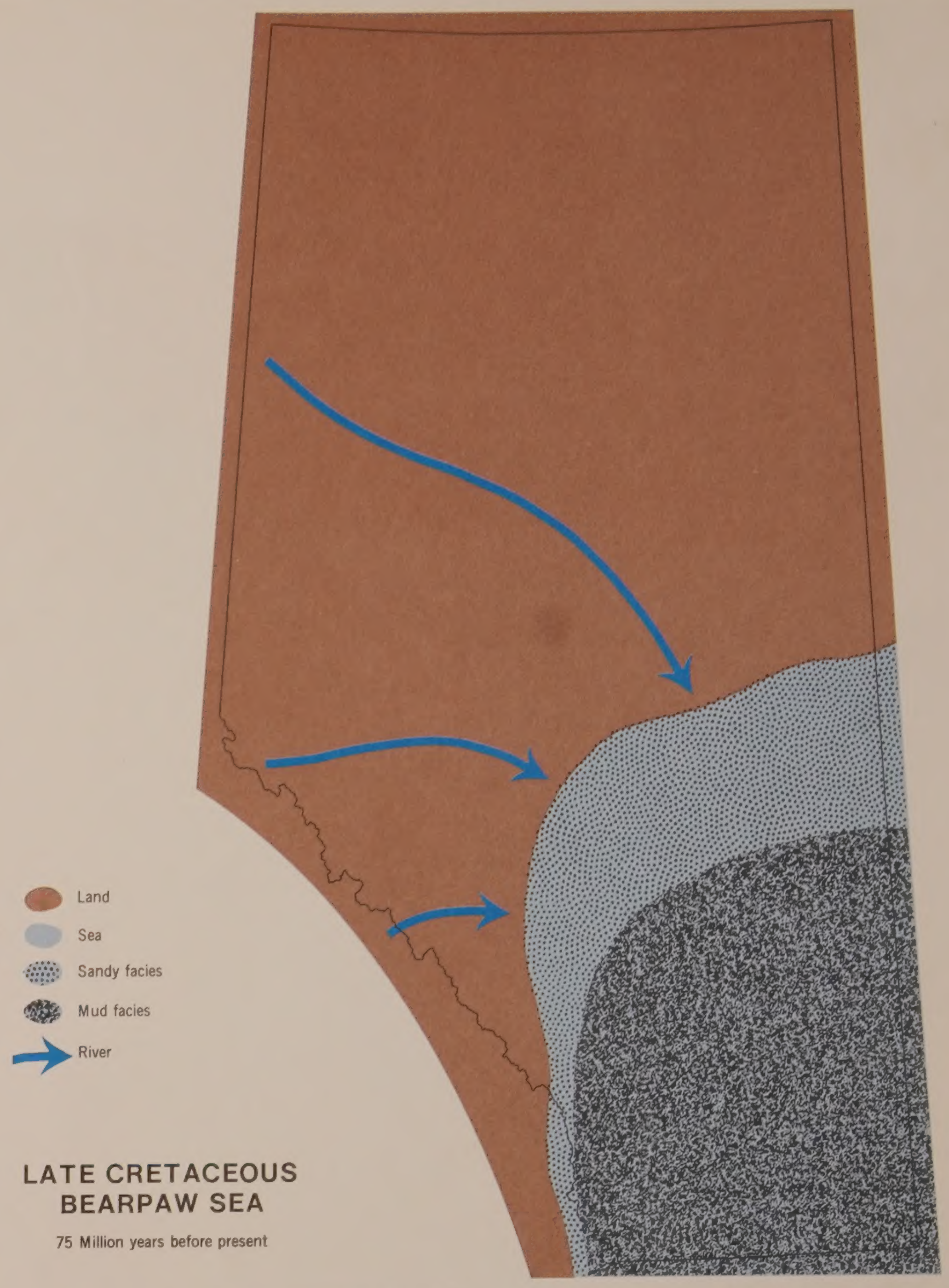
VERTICAL STRUCTURE SECTION OF

Horizontal scale: 20
Vertical scale: 5,000


Land
Sea
Silt facies
Sandy facies
Evaporite facies
River

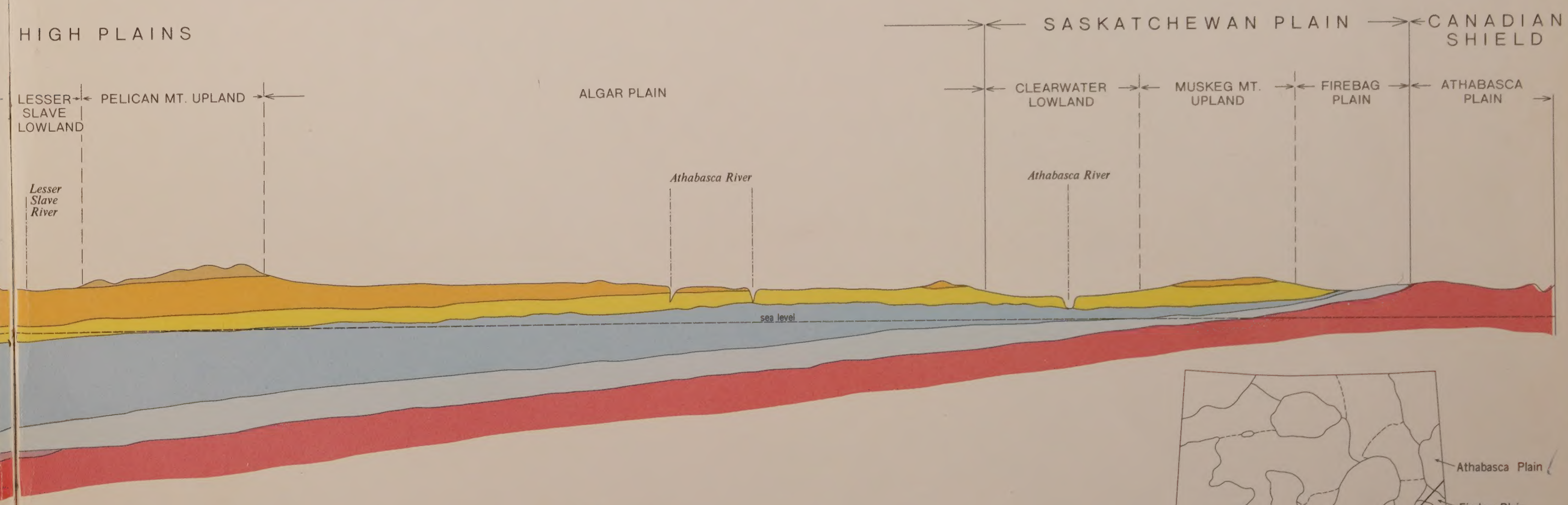
TRIASSIC SEA

200 Million years before present

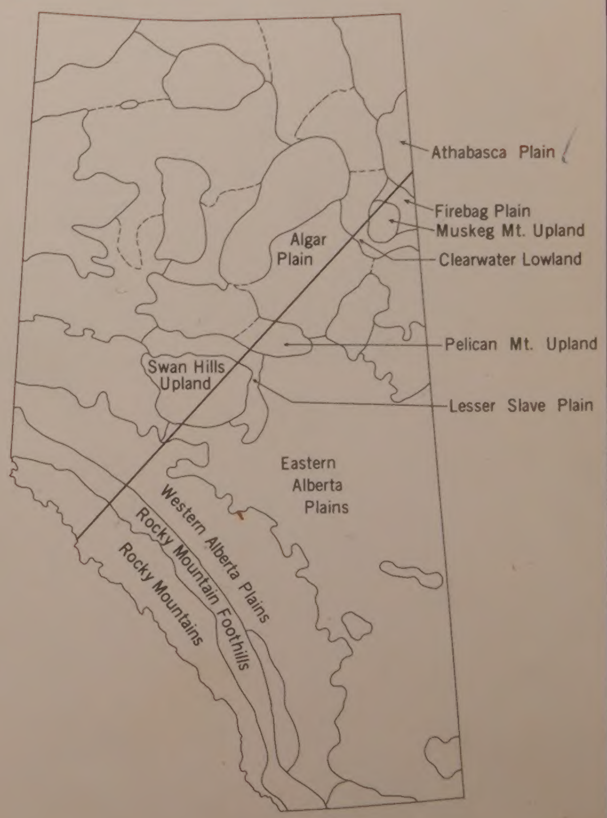

Land
Sea
Sandy facies
Mud facies
River

LATE CRETACEOUS BEARPAW SEA

75 Million years before present

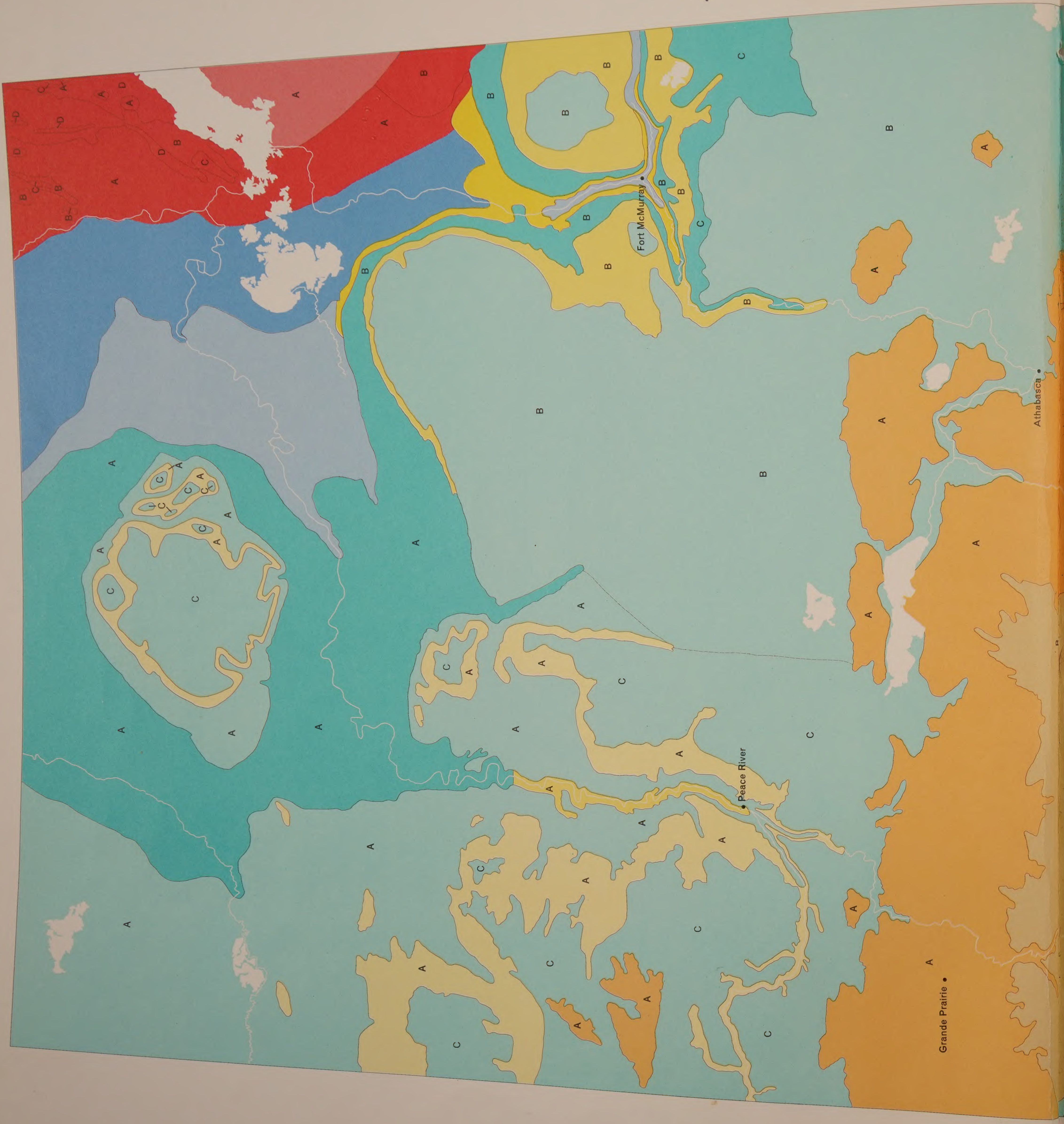

HIGH PLAINS
SASKATCHEWAN PLAIN
CANADIAN SHIELD
LESSER SLAVE LOWLAND
PELICAN MT. UPLAND
ALGAR PLAIN
CLEARWATER LOWLAND
MUSKEG MT. UPLAND
FIREBAG PLAIN
ATHABASCA PLAIN
Lesser Slave River
Athabasca River
Athabasca River
sea level

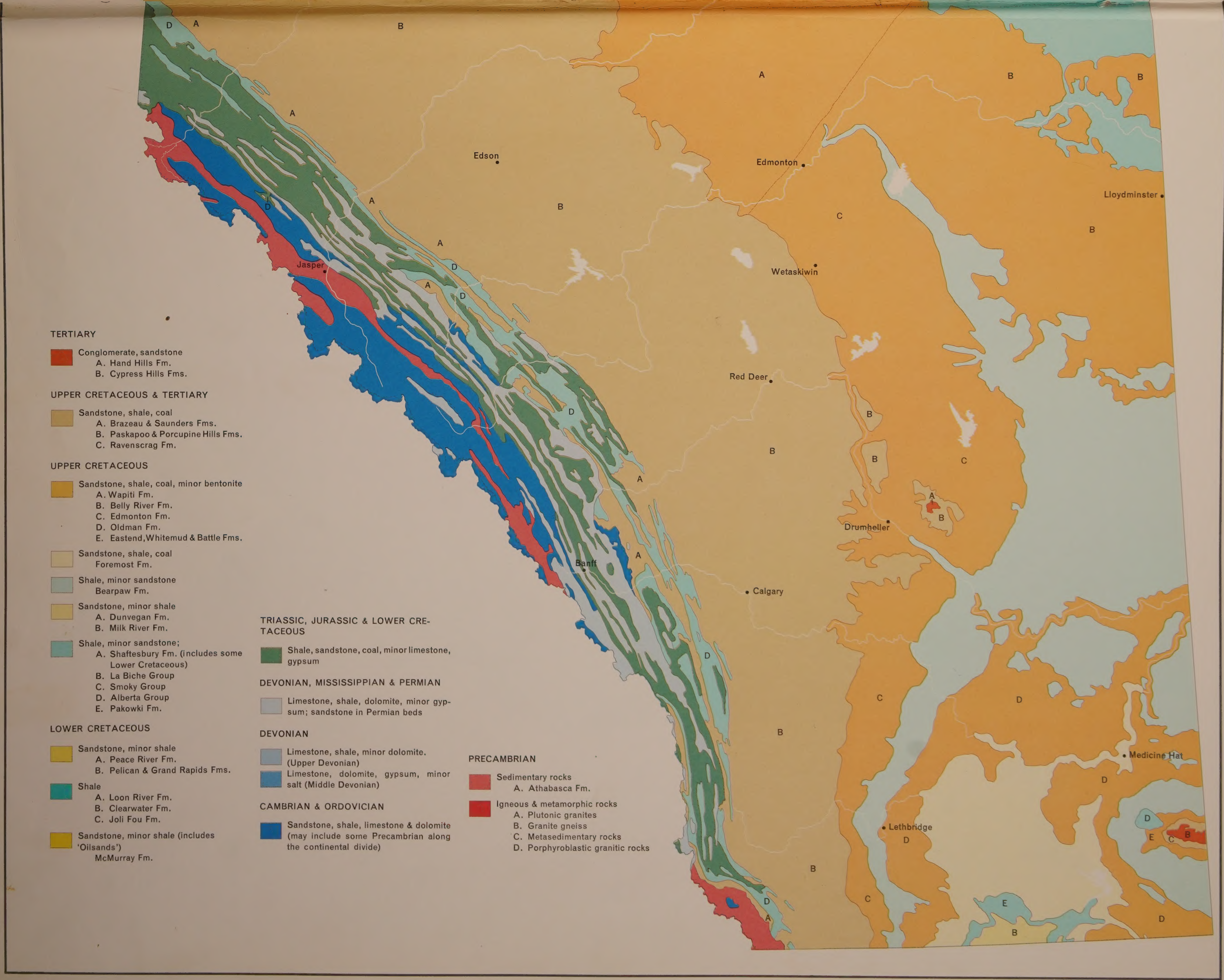
■ Tertiary
■ Upper Cretaceous: non-marine rocks
■ Upper Cretaceous: marine rocks
■ Lower Cretaceous
■ Jurassic
■ Triassic
■ Carboniferous
■ Upper Devonian
■ Middle Devonian
■ Ordovician
■ Cambrian
■ Precambrian: sedimentary rocks
■ Precambrian: igneous and metamorphic rocks


Athabasca Plain
Firebag Plain
Muskeg Mt. Upland
Clearwater Lowland
Algar Plain
Pelican Mt. Upland
Swan Hills Upland
Lesser Slave Plain
Eastern Alberta Plains
Western Alberta Plains
Rocky Mountain Foothills
Rocky Mountains

THE ALBERTA SEDIMENTARY BASIN

miles to 1 inch
feet to 1 inch


Fort McMurray
Athabasca
Peace River
Grande Prairie



TERTIARY

🟥 Conglomerate, sandstone
- A. Hand Hills Fm.
- B. Cypress Hills Fms.

UPPER CRETACEOUS & TERTIARY

🟫 Sandstone, shale, coal
- A. Brazeau & Saunders Fms.
- B. Paskapoo & Porcupine Hills Fms.
- C. Ravenscrag Fm.

UPPER CRETACEOUS

🟧 Sandstone, shale, coal, minor bentonite
- A. Wapiti Fm.
- B. Belly River Fm.
- C. Edmonton Fm.
- D. Oldman Fm.
- E. Eastend, Whitemud & Battle Fms.

⬜ Sandstone, shale, coal
Foremost Fm.

⬜ Shale, minor sandstone
Bearpaw Fm.

🟨 Sandstone, minor shale
- A. Dunvegan Fm.
- B. Milk River Fm.

🟦 Shale, minor sandstone;
- A. Shaftesbury Fm. (includes some Lower Cretaceous)
- B. La Biche Group
- C. Smoky Group
- D. Alberta Group
- E. Pakowki Fm.

LOWER CRETACEOUS

🟨 Sandstone, minor shale
- A. Peace River Fm.
- B. Pelican & Grand Rapids Fms.

🟦 Shale
- A. Loon River Fm.
- B. Clearwater Fm.
- C. Joli Fou Fm.

🟨 Sandstone, minor shale (includes 'Oilsands')
McMurray Fm.

TRIASSIC, JURASSIC & LOWER CRETACEOUS

🟩 Shale, sandstone, coal, minor limestone, gypsum

DEVONIAN, MISSISSIPPIAN & PERMIAN

⬜ Limestone, shale, dolomite, minor gypsum; sandstone in Permian beds

DEVONIAN

🟦 Limestone, shale, minor dolomite. (Upper Devonian)

🟦 Limestone, dolomite, gypsum, minor salt (Middle Devonian)

CAMBRIAN & ORDOVICIAN

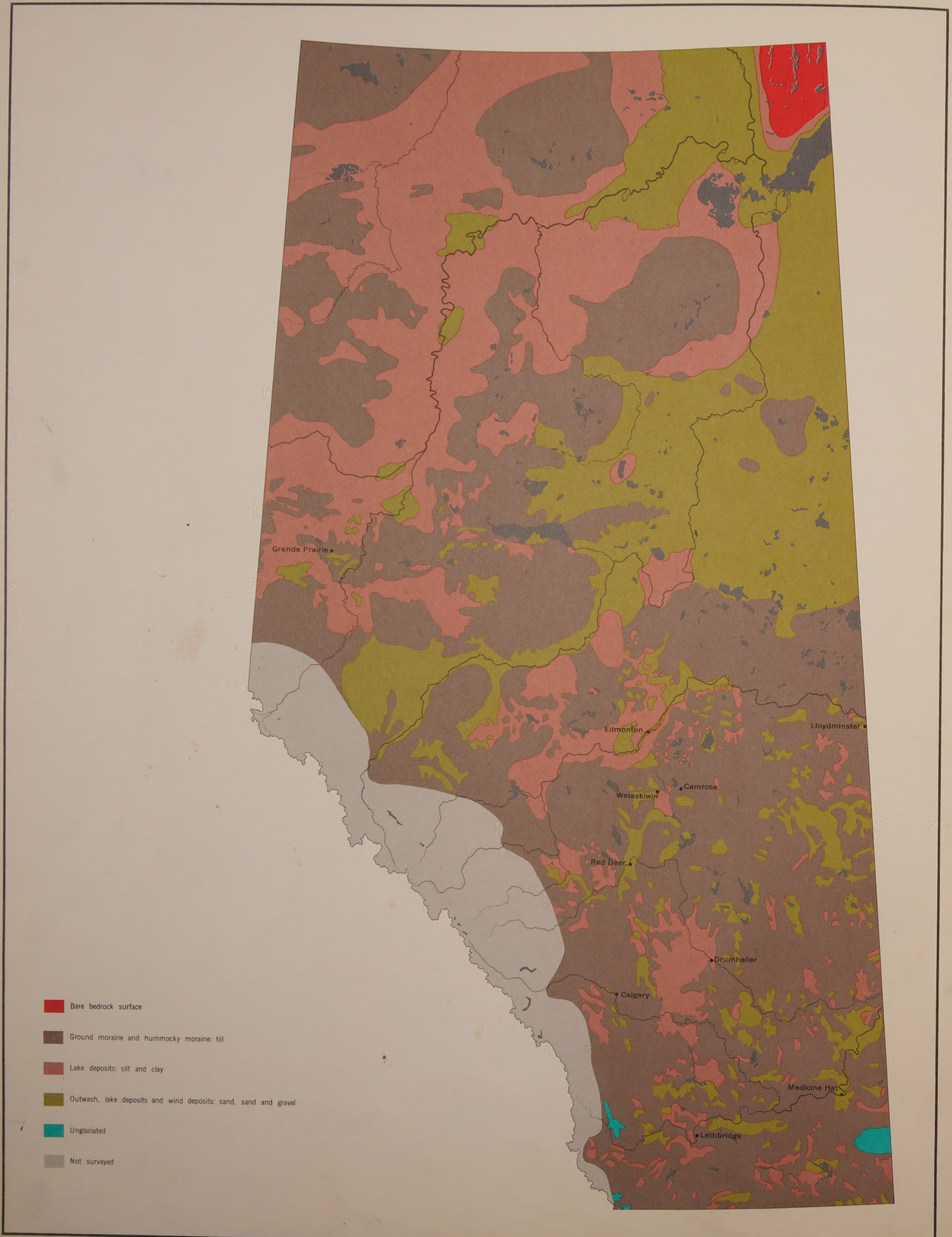
🟦 Sandstone, shale, limestone & dolomite (may include some Precambrian along the continental divide)

PRECAMBRIAN

🟥 Sedimentary rocks
- A. Athabasca Fm.

🟥 Igneous & metamorphic rocks
- A. Plutonic granites
- B. Granite gneiss
- C. Metasedimentary rocks
- D. Porphyroblastic granitic rocks

SURFICIAL DEPOSITS


Grande Prairie
Edmonton
Lloydminster
Camrose
Wetaskiwin
Red Deer
Drumheller
Calgary
Medicine Hat
Lethbridge

🟥 Bare bedrock surface

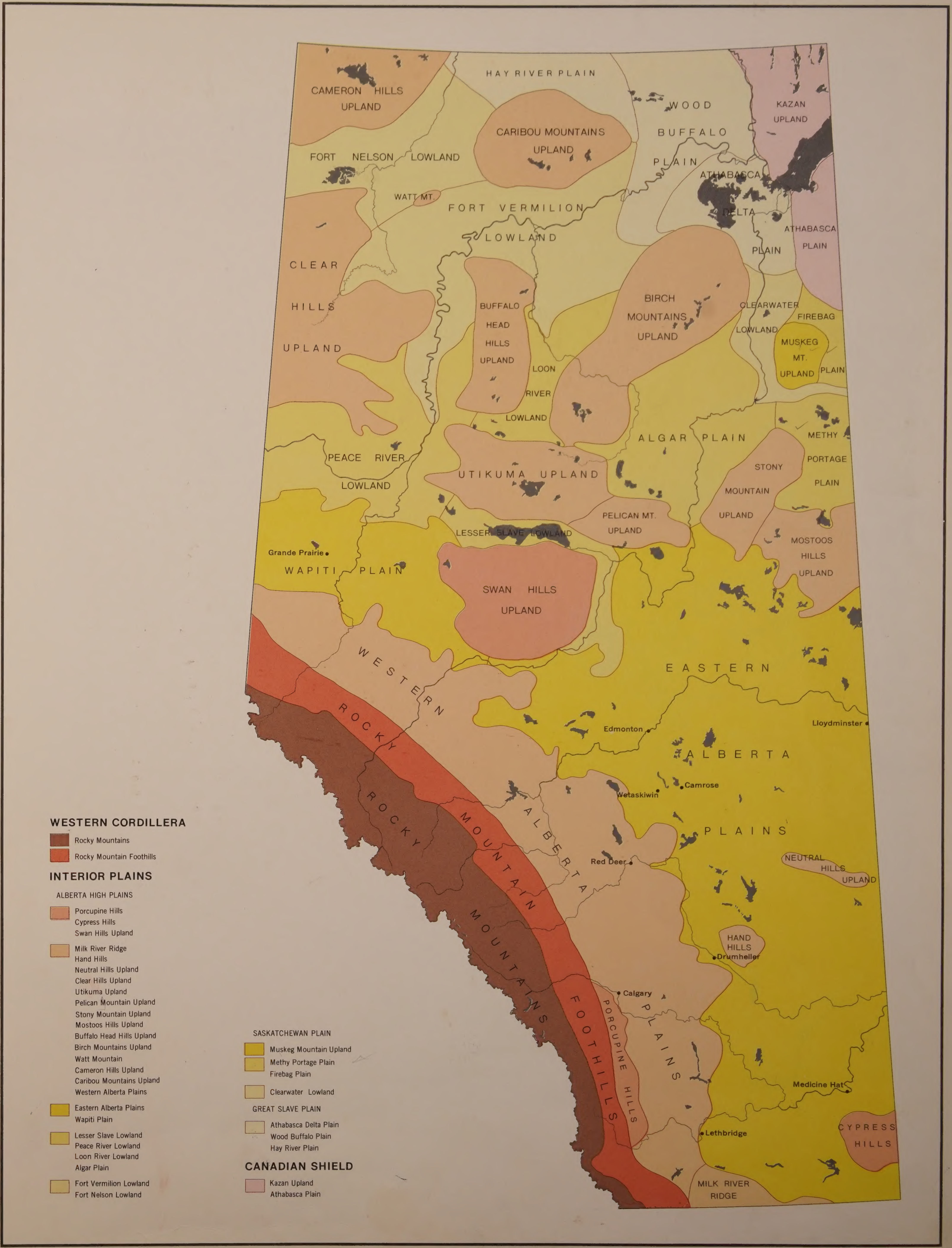
🟫 Ground moraine and hummocky moraine: till

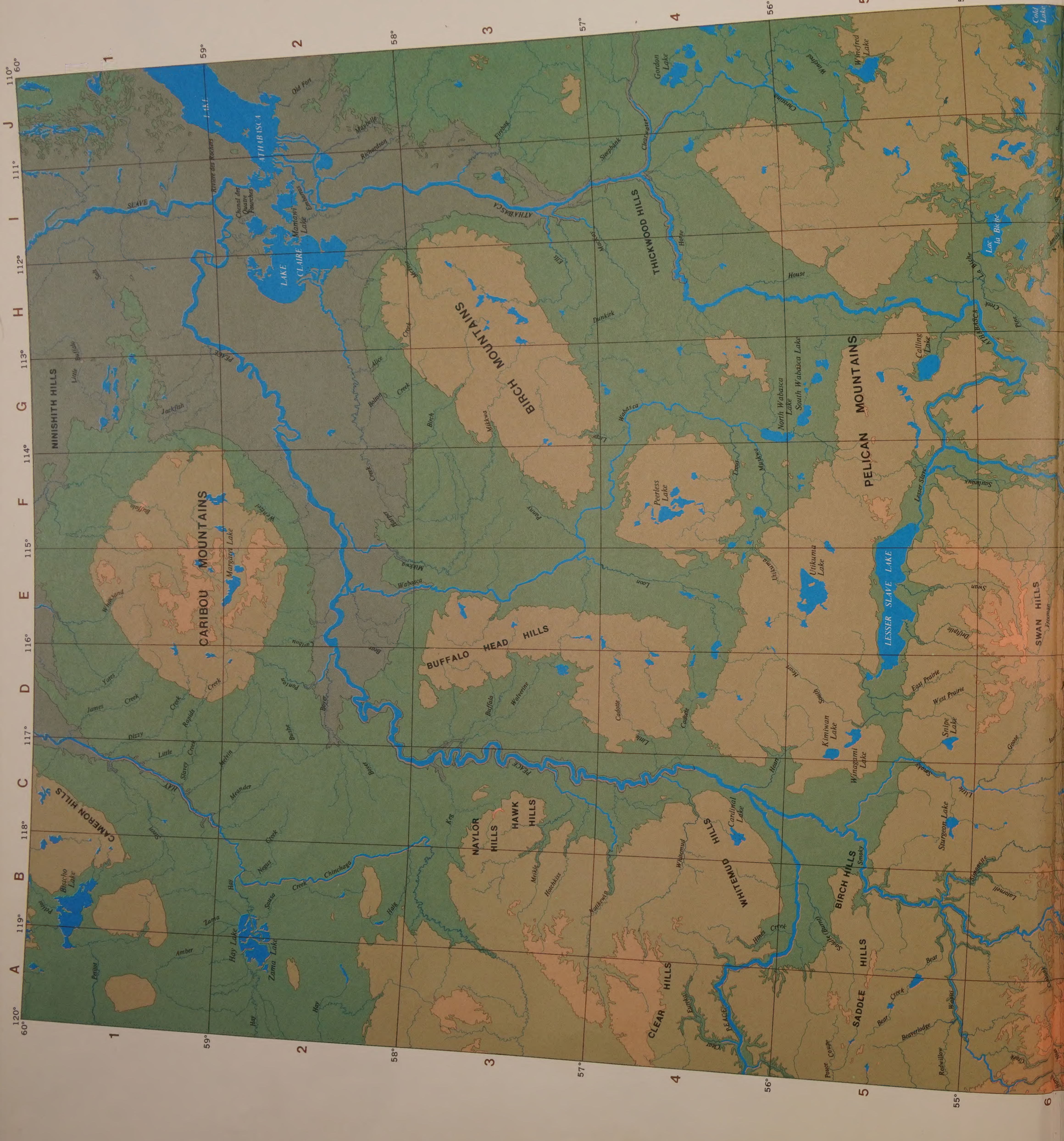
🟧 Lake deposits: silt and clay

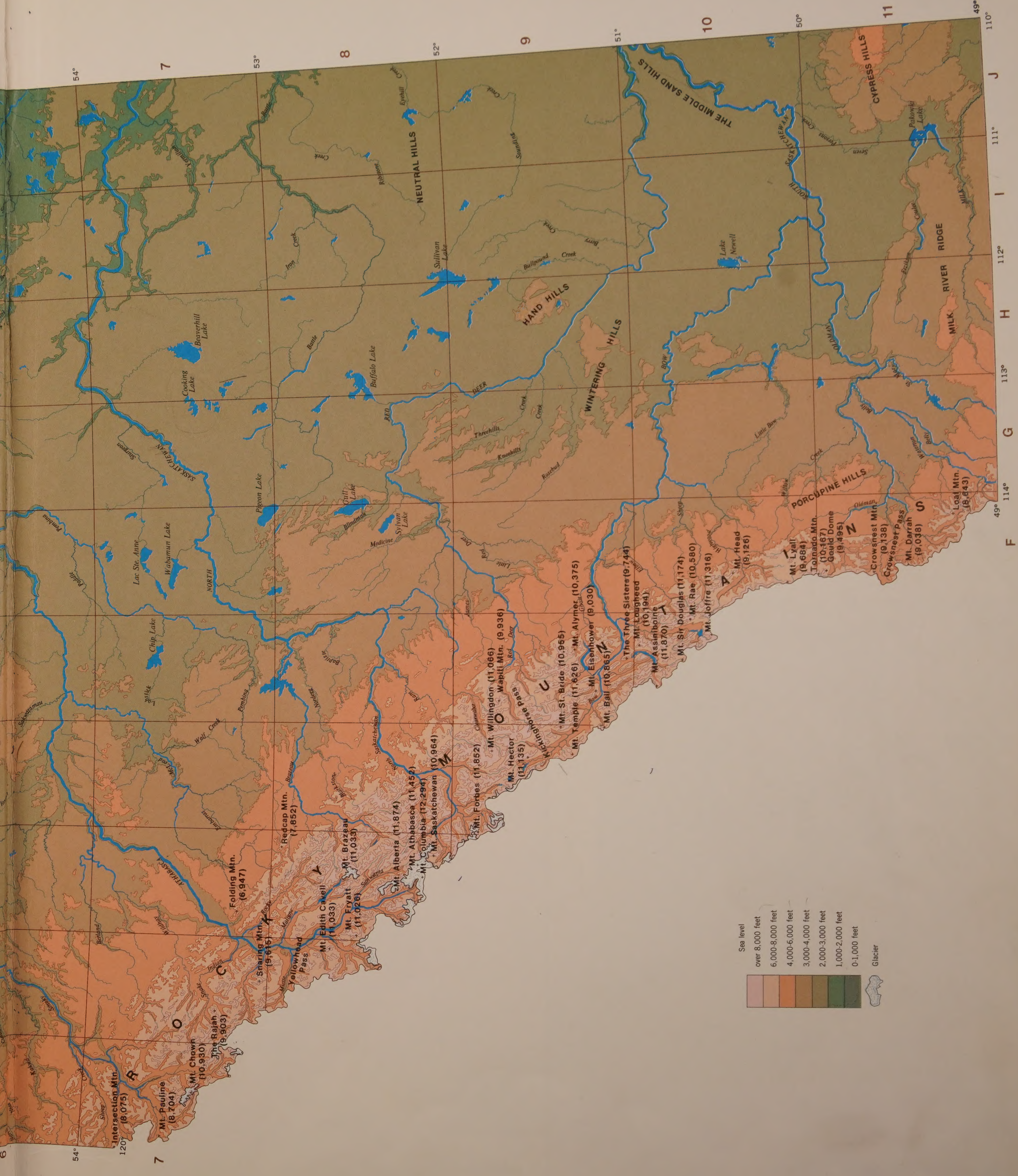
🟨 Outwash, lake deposits and wind deposits: sand, sand and gravel

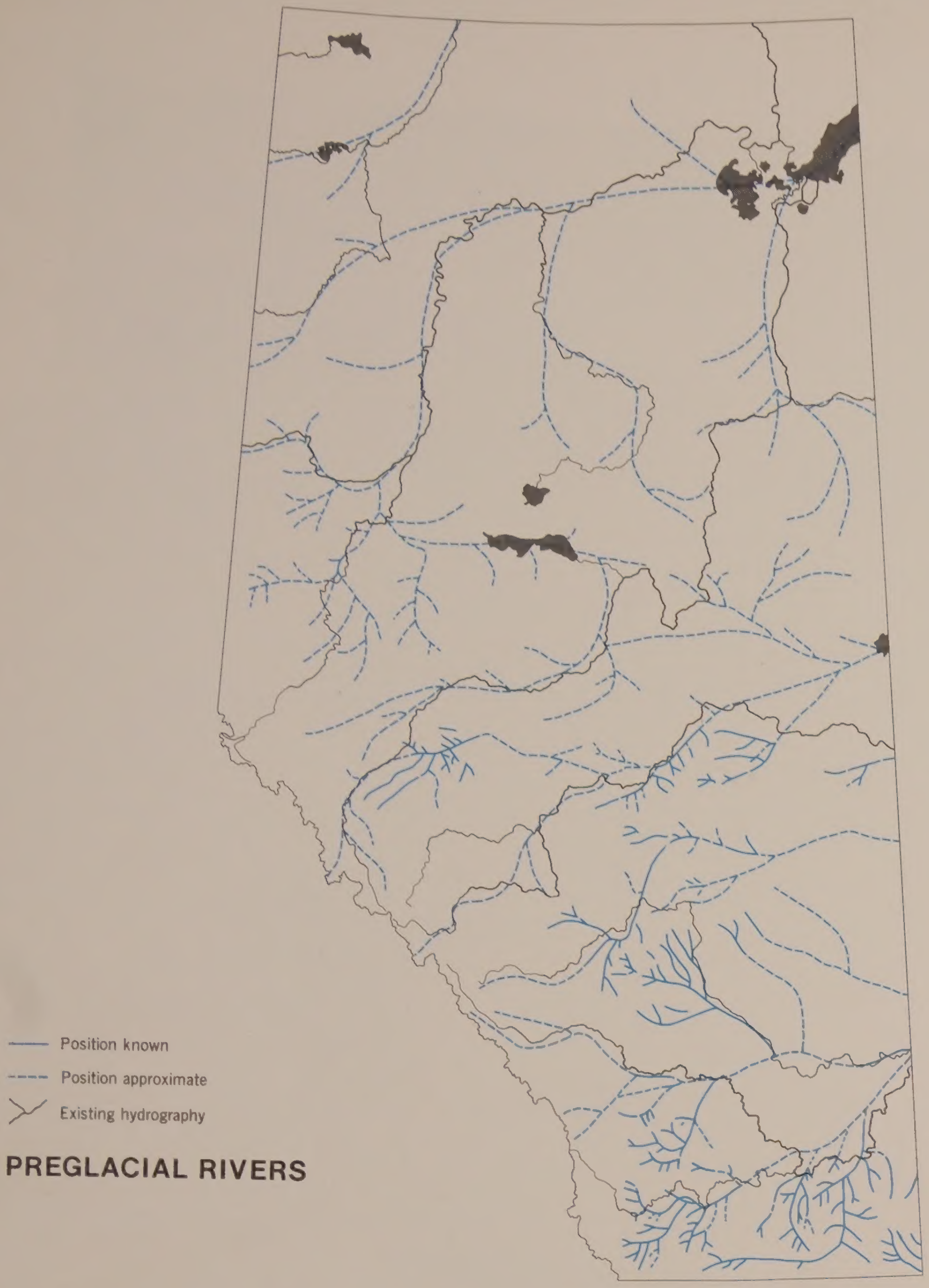
🟦 Unglaciated

⬜ Not surveyed

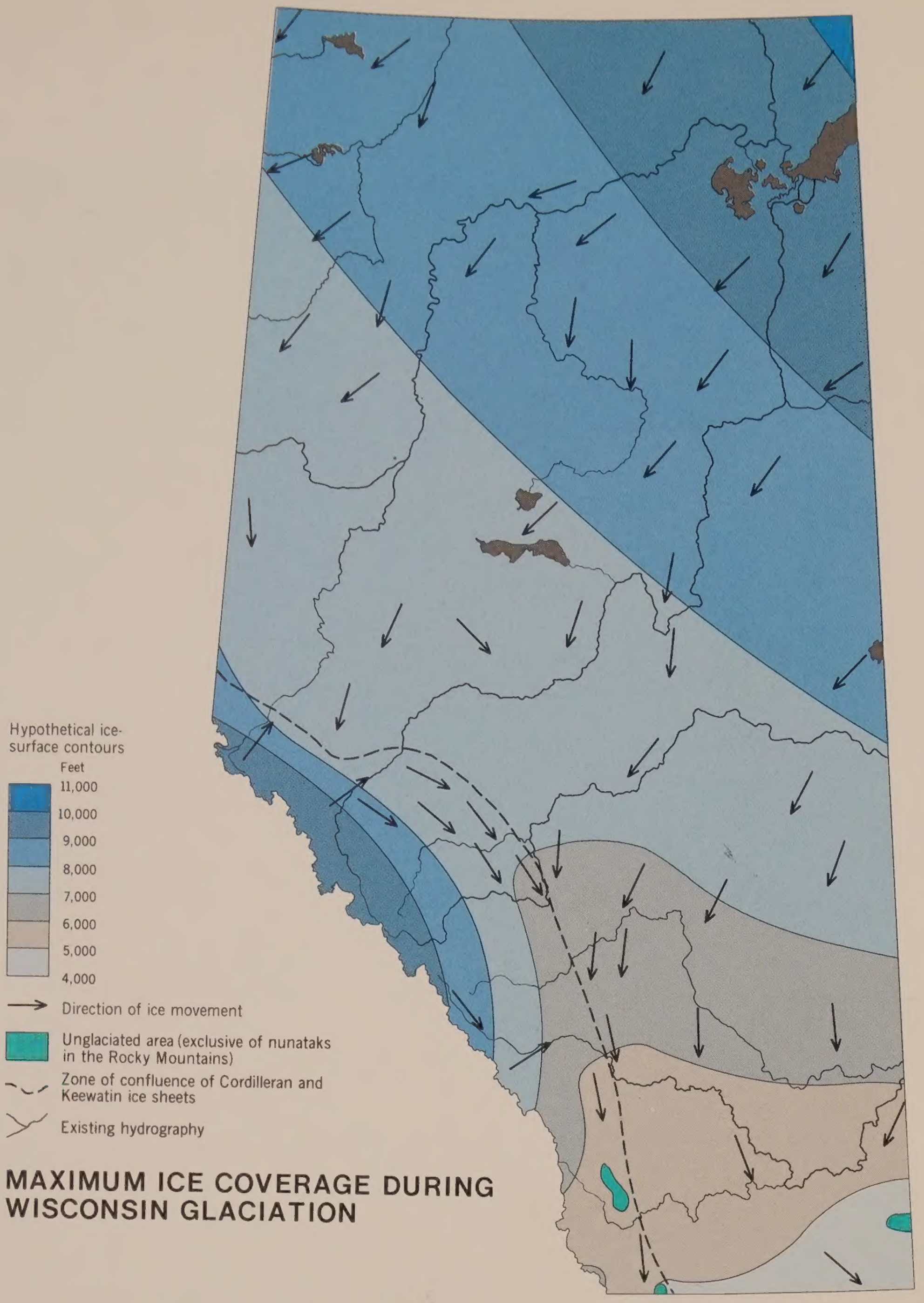

CAMERON HILLS UPLAND
HAY RIVER PLAIN
WOOD BUFFALO PLAIN
KAZAN UPLAND
CARIBOU MOUNTAINS UPLAND
FORT NELSON LOWLAND
ATHABASCA DELTA PLAIN
WATT MT.
FORT VERMILION LOWLAND
ATHABASCA PLAIN
CLEAR HILLS UPLAND
BUFFALO HEAD HILLS UPLAND
BIRCH MOUNTAINS UPLAND
CLEARWATER LOWLAND
FIREBAG PLAIN
MUSKEG MT. UPLAND
LOON RIVER LOWLAND
ALGAR PLAIN
METHY PORTAGE PLAIN
PEACE RIVER LOWLAND
UTIKUMA UPLAND
STONY MOUNTAIN UPLAND
PELICAN MT. UPLAND
LESSER SLAVE LOWLAND
MOSTOOS HILLS UPLAND
Grande Prairie
WAPITI PLAIN
SWAN HILLS UPLAND
WESTERN ALBERTA PLAINS
EASTERN ALBERTA PLAINS
ROCKY MOUNTAIN FOOTHILLS
ROCKY MOUNTAINS
Edmonton
Lloydminster
Camrose
Wetaskiwin
Red Deer
NEUTRAL HILLS UPLAND
HAND HILLS
Drumheller
Calgary
PORCUPINE HILLS
Medicine Hat
Lethbridge
CYPRESS HILLS
MILK RIVER RIDGE
WESTERN CORDILLERA
Rocky Mountains
Rocky Mountain Foothills
INTERIOR PLAINS
ALBERTA HIGH PLAINS
Porcupine Hills
Cypress Hills
Swan Hills Upland
Milk River Ridge
Hand Hills
Neutral Hills Upland
Clear Hills Upland
Utikuma Upland
Pelican Mountain Upland
Stony Mountain Upland
Mostoos Hills Upland
Buffalo Head Hills Upland
Birch Mountains Upland
Watt Mountain
Cameron Hills Upland
Caribou Mountains Upland
Western Alberta Plains
Eastern Alberta Plains
Wapiti Plain
Lesser Slave Lowland
Peace River Lowland
Loon River Lowland
Algar Plain
Fort Vermilion Lowland
Fort Nelson Lowland
SASKATCHEWAN PLAIN
Muskeg Mountain Upland
Methy Portage Plain
Firebag Plain
Clearwater Lowland
GREAT SLAVE PLAIN
Athabasca Delta Plain
Wood Buffalo Plain
Hay River Plain
CANADIAN SHIELD
Kazan Upland
Athabasca Plain


LAKE ATHABASCA
LAKE CLAIRE
Mamawi Lake
CARIBOU MOUNTAINS
Margaret Lake
BIRCH MOUNTAINS
THICKWOOD HILLS
PELICAN MOUNTAINS
LESSER SLAVE LAKE
SWAN HILLS
BUFFALO HEAD HILLS
NINISHITH HILLS
CAMERON HILLS
NAYLOR HILLS
HAWK HILLS
WHITEMUD HILLS
CLEAR HILLS
BIRCH HILLS
SADDLE HILLS
Bistcho Lake
Hay Lake
Zama Lake
Peerless Lake
Utikuma Lake
North Wabasca Lake
South Wabasca Lake
Calling Lake
Lac la Biche
Winefred Lake
Gordon Lake
Cold Lake
Cardinal Lake
Kimiwan Lake
Winagami Lake
Snipe Lake
Sturgeon Lake
SLAVE
PEACE
ATHABASCA
HAY
Wabasca
Loon
Smoky
Dunkirk
House
Clearwater
Christina
Firebag
Richardson
Maybelle
Old Fort
Rivière des Rochers
Chenal des Quatre Fourches
60°
59°
58°
57°
56°
55°
110°
111°
112°
113°
114°
115°
116°
117°
118°
119°
120°
A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6

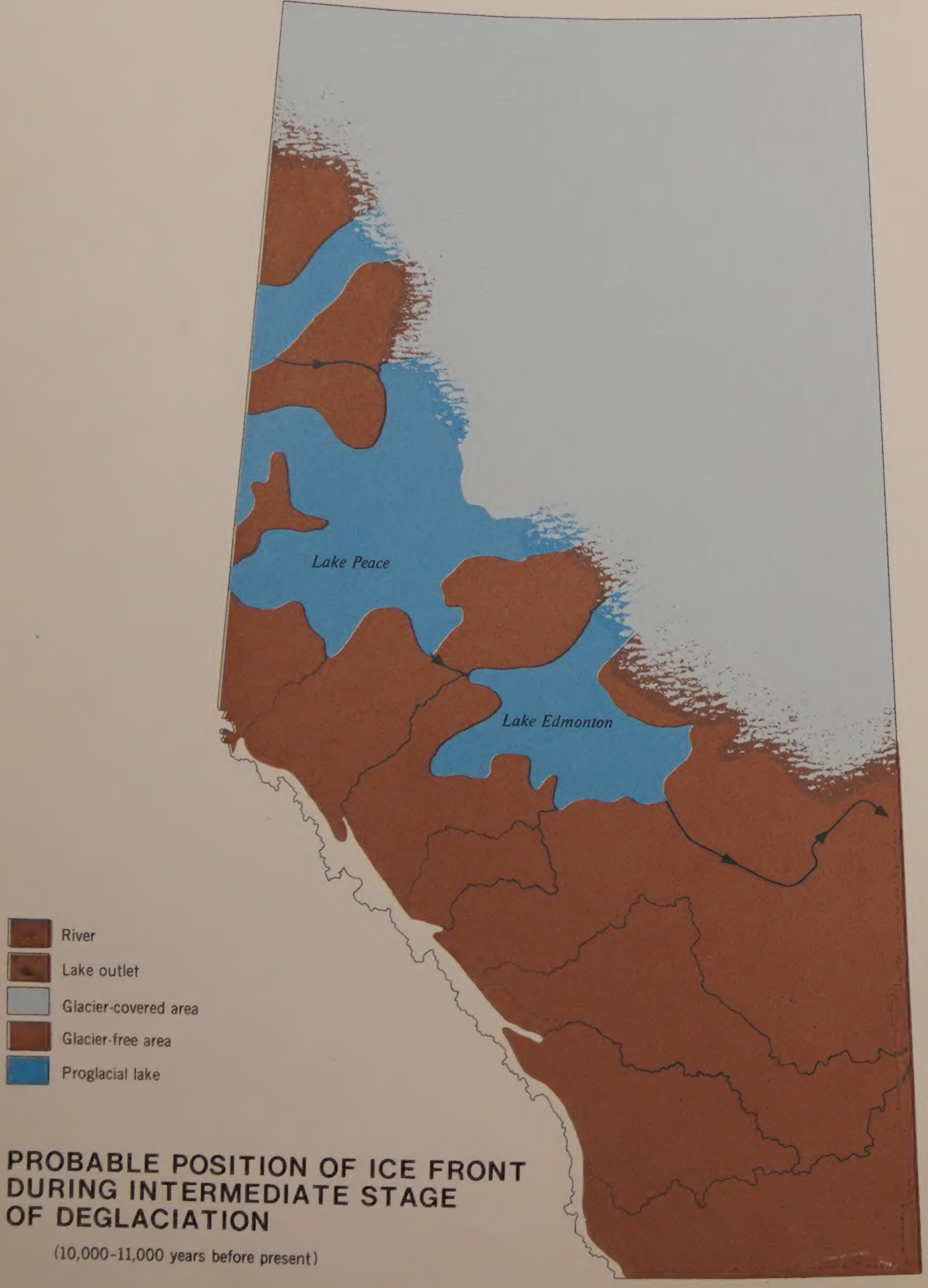

Sea level
over 8,000 feet
6,000-8,000 feet
4,000-6,000 feet
3,000-4,000 feet
2,000-3,000 feet
1,000-2,000 feet
0-1,000 feet
Glacier
ROCKY MOUNTAINS
THE MIDDLE SAND HILLS
CYPRESS HILLS
NEUTRAL HILLS
HAND HILLS
WINTERING HILLS
MILK RIVER RIDGE
PORCUPINE HILLS
Lake Newell
Pakowki Lake
Sullivan Lake
Buffalo Lake
Beaverhill Lake
Cooking Lake
Pigeon Lake
Gull Lake
Sylvan Lake
Wabamun Lake
Lac Ste. Anne
Chip Lake
Intersection Mtn. (8,075)
Mt. Pauline (8,704)
Mt. Chown (10,930)
The Rajah (9,903)
Snaring Mtn. (9,615)
Yellowhead Pass
Folding Mtn. (6,947)
Mt. Edith Cavell (11,033)
Mt. Fryatt (11,026)
Mt. Brazeau (11,033)
Redcap Mtn. (7,852)
Mt. Alberta (11,874)
Mt. Athabasca (11,452)
Mt. Columbia (12,294)
Mt. Saskatchewan (10,964)
Mt. Forbes (11,852)
Mt. Hector (11,135)
Mt. Willingdon (11,066)
Wapiti Mtn. (9,936)
Kickinghorse Pass
Mt. Temple (11,626)
Mt. St. Bride (10,965)
Mt. Ball (10,865)
Mt. Eisenhower (9,030)
Mt. Aylmer (10,375)
Mt. Assiniboine (11,870)
Mt. Lougheed (10,194)
The Three Sisters (9,744)
Mt. Sir Douglas (11,174)
Mt. Rae (10,580)
Mt. Joffre (11,316)
Mt. Head (9,126)
Mt. Lyall (9,684)
Tornado Mtn. (10,167)
Gould Dome (9,495)
Crowsnest Mtn. (9,138)
Crowsnest Pass
Mt. Darrah (9,038)
Loaf Mtn. (8,643)
ATHABASCA
SASKATCHEWAN
NORTH
RED DEER
BOW
OLDMAN
SOUTH
MILK
Battle
Vermilion
Sturgeon
Pembina
Paddle
McLeod
Smoky
Wolf Creek
Iron Creek
Ribstone
Sounding Creek
Bullpound Creek
Berry Creek
Threehills Creek
Kneehills Creek
Rosebud
Blindman
Medicine
Little Red Deer
Little Bow
Willow Creek
Highwood
Elbow
Sheep
Waterton
Belly
St. Mary
Seven Persons Creek
Etzikom Coulee
Brazeau
Clearwater
Ram
54°
53°
52°
51°
50°
49°
110°
111°
112°
113°
114°
120°
6
7
8
9
10
11
F
G
H
I
J


Position known
Position approximate
Existing hydrography

PRECLACIAL RIVERS

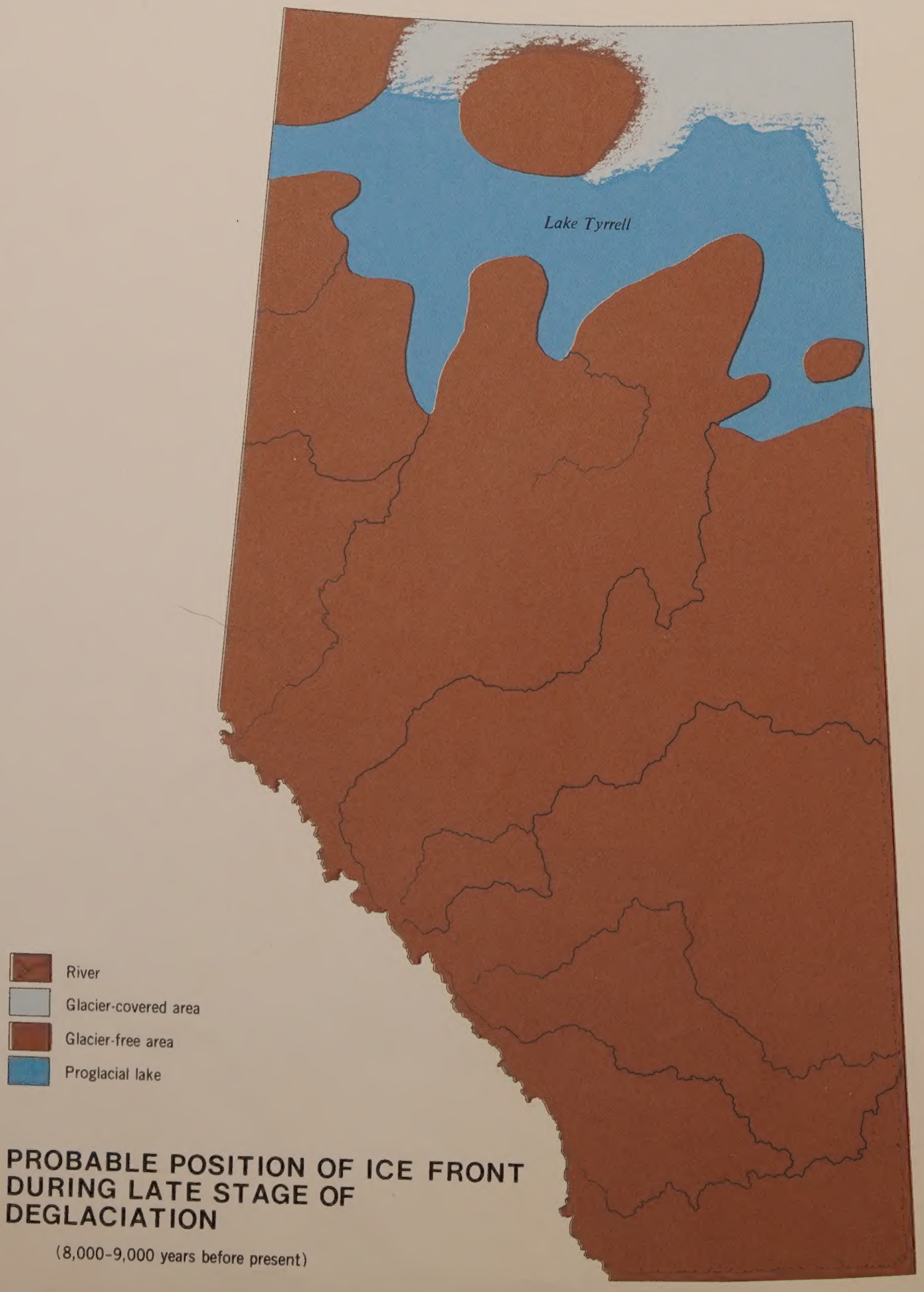

Hypothetical ice-surface contours
Feet
11,000
10,000
9,000
8,000
7,000
6,000
5,000
4,000
Direction of ice movement
Unglaciated area (exclusive of nunataks in the Rocky Mountains)
Zone of confluence of Cordilleran and Keewatin ice sheets
Existing hydrography

MAXIMUM ICE COVERAGE DURING WISCONSIN GLACIATION


Lake Peace
Lake Edmonton
River
Lake outlet
Glacier-covered area
Glacier-free area
Proglacial lake

PROBABLE POSITION OF ICE FRONT DURING INTERMEDIATE STAGE OF DEGLACIATION

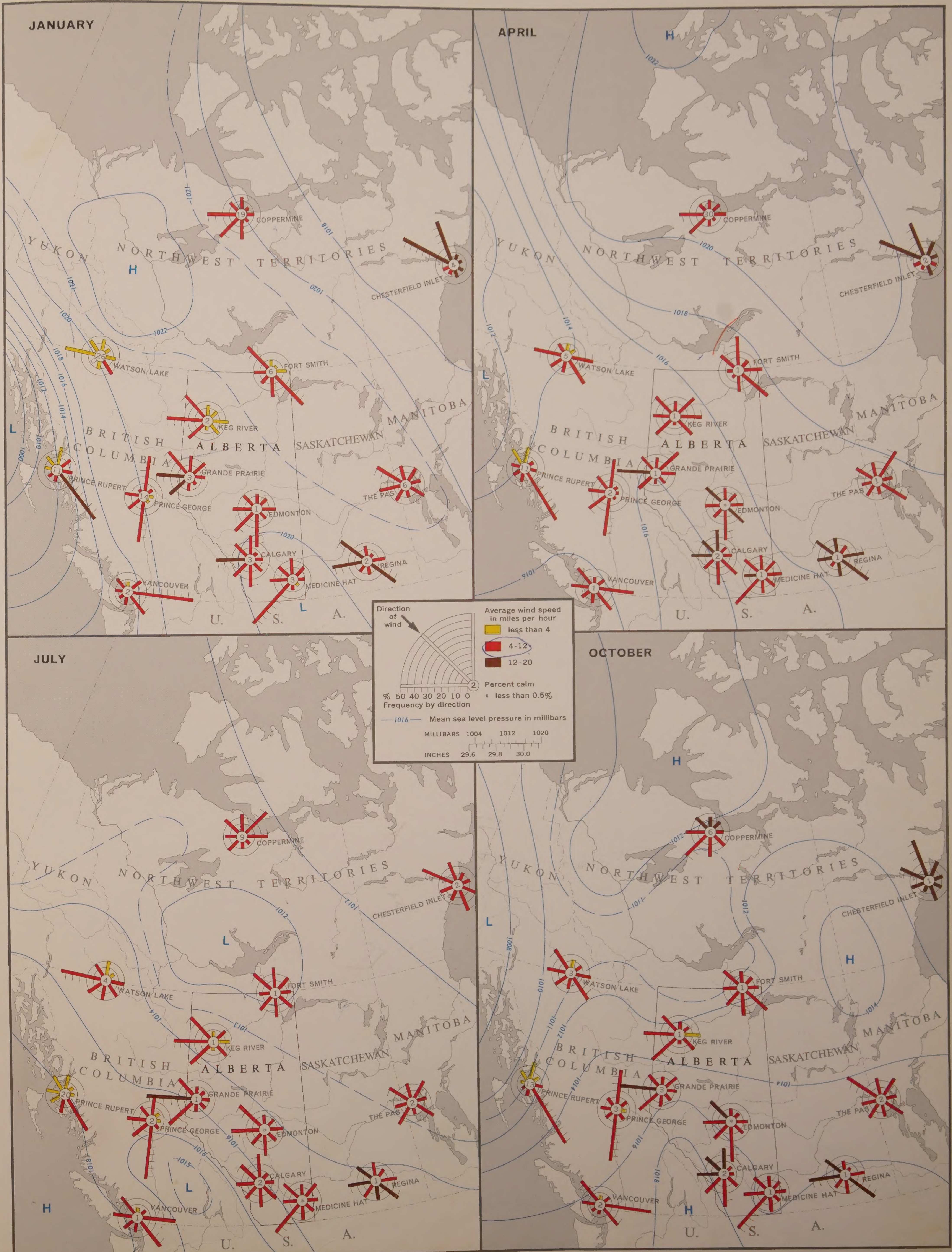
(10,000–11,000 years before present)


Lake Tyrrell
River
Glacier-covered area
Glacier-free area
Proglacial lake

PROBABLE POSITION OF ICE FRONT DURING LATE STAGE OF DEGLACIATION

(8,000–9,000 years before present)

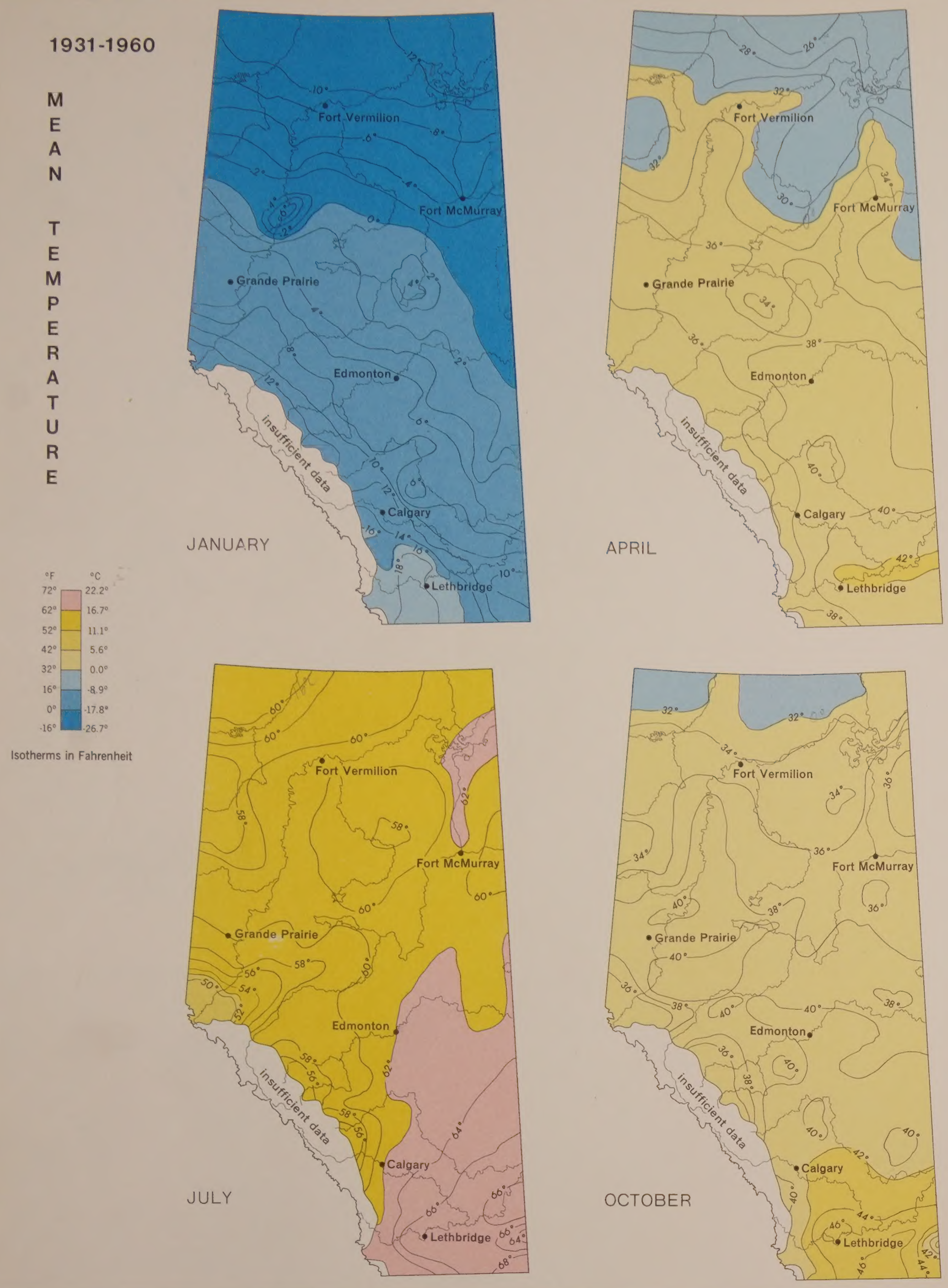
WIND AND PRESSURE, 1961


JANUARY
APRIL
JULY
OCTOBER
YUKON
NORTHWEST TERRITORIES
BRITISH COLUMBIA
ALBERTA
SASKATCHEWAN
MANITOBA
U. S. A.
COPPERMINE
CHESTERFIELD INLET
WATSON LAKE
FORT SMITH
KEG RIVER
GRANDE PRAIRIE
PRINCE RUPERT
PRINCE GEORGE
EDMONTON
THE PAS
CALGARY
REGINA
VANCOUVER
MEDICINE HAT
H
L
Direction of wind
% 50 40 30 20 10 0
Frequency by direction
Average wind speed in miles per hour
🟨 less than 4
🟥 4-12
🟫 12-20
2 Percent calm
* less than 0.5%
1016 Mean sea level pressure in millibars
MILLIBARS 1004 1012 1020
INCHES 29.6 29.8 30.0

TEMPERATURE, 1931—1960

1931-1960

MEAN TEMPERATURE


°F °C
72° 22.2°
62° 16.7°
52° 11.1°
42° 5.6°
32° 0.0°
16° -8.9°
0° -17.8°
-16° -26.7°
Isotherms in Fahrenheit
Fort Vermilion
Fort McMurray
Grande Prairie
Edmonton
Calgary
Lethbridge
insufficient data

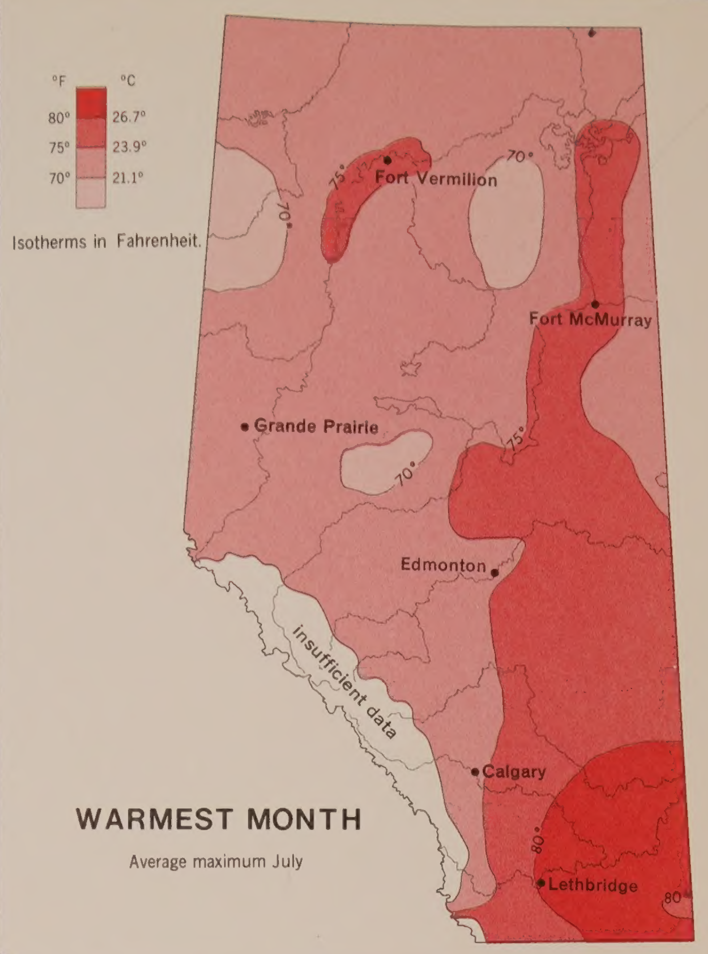
JANUARY

APRIL

JULY

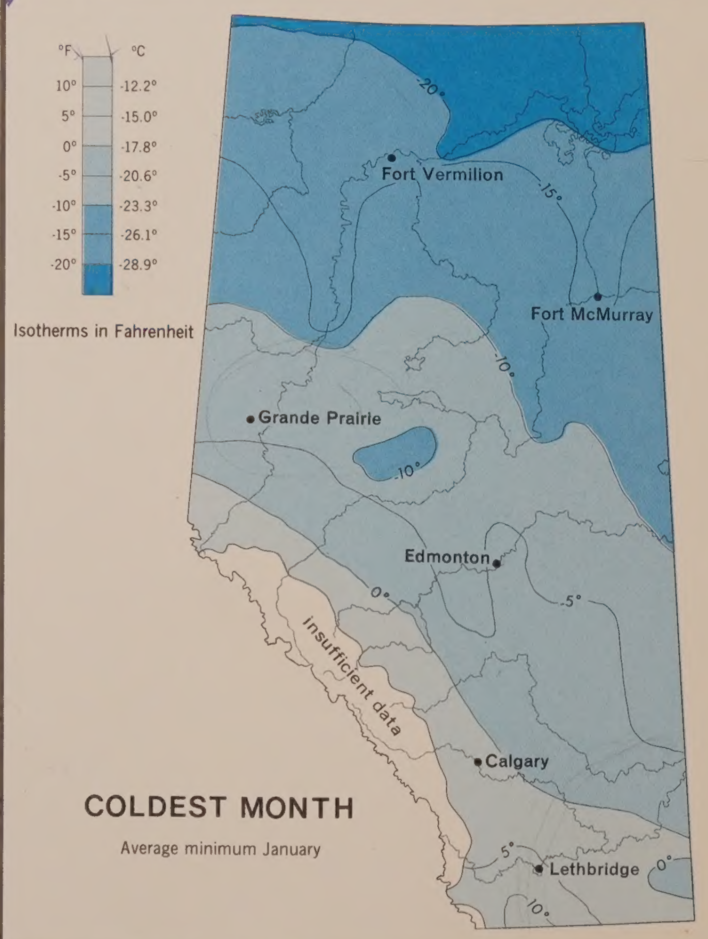
OCTOBER

WARMEST MONTH


°F °C
80° 26.7°
75° 23.9°
70° 21.1°
Isotherms in Fahrenheit.
Fort Vermilion
Fort McMurray
Grande Prairie
Edmonton
Calgary
Lethbridge
insufficient data

Average maximum July

COLDEST MONTH

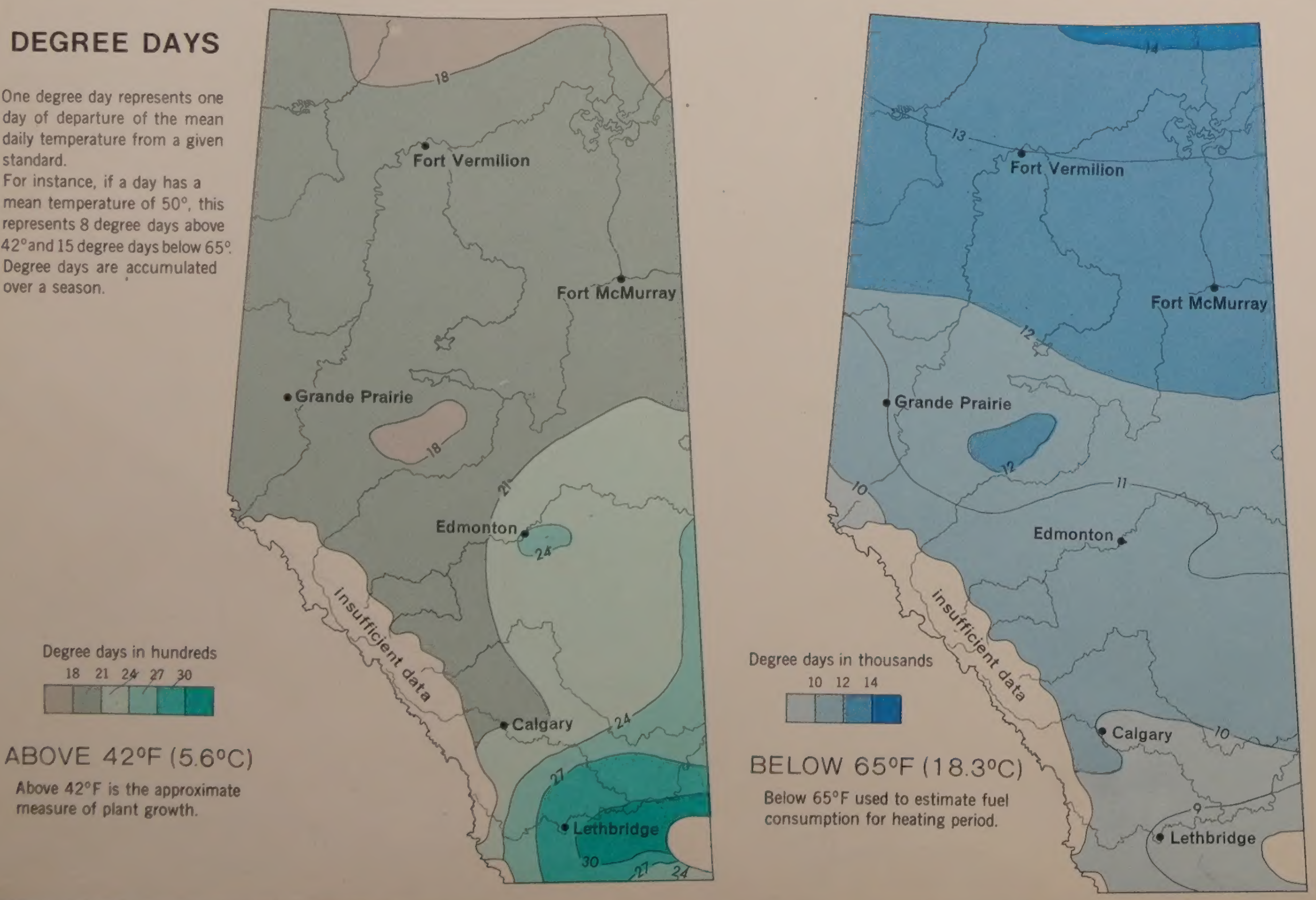

°F °C
10° -12.2°
5° -15.0°
0° -17.8°
-5° -20.6°
-10° -23.3°
-15° -26.1°
-20° -28.9°
Isotherms in Fahrenheit
Fort Vermilion
Fort McMurray
Grande Prairie
Edmonton
Calgary
Lethbridge
insufficient data

Average minimum January

DEGREE DAYS

One degree day represents one day of departure of the mean daily temperature from a given standard.

For instance, if a day has a mean temperature of 50°, this represents 8 degree days above 42° and 15 degree days below 65°. Degree days are accumulated over a season.


Degree days in hundreds
18 21 24 27 30
Degree days in thousands
10 12 14
Fort Vermilion
Fort McMurray
Grande Prairie
Edmonton
Calgary
Lethbridge
insufficient data

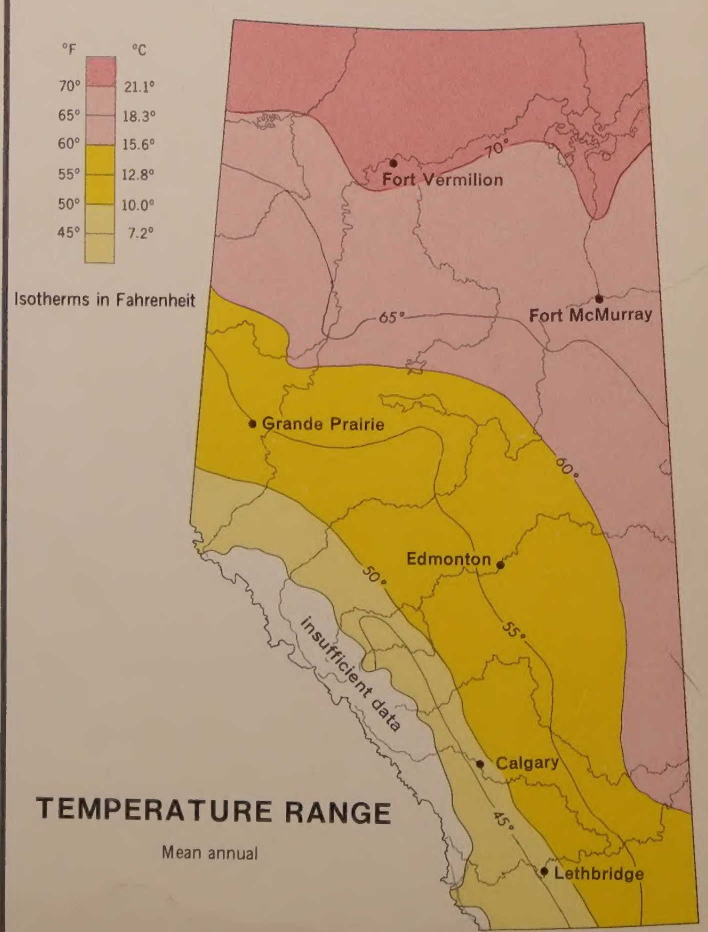
ABOVE 42°F (5.6°C)

Above 42°F is the approximate measure of plant growth.

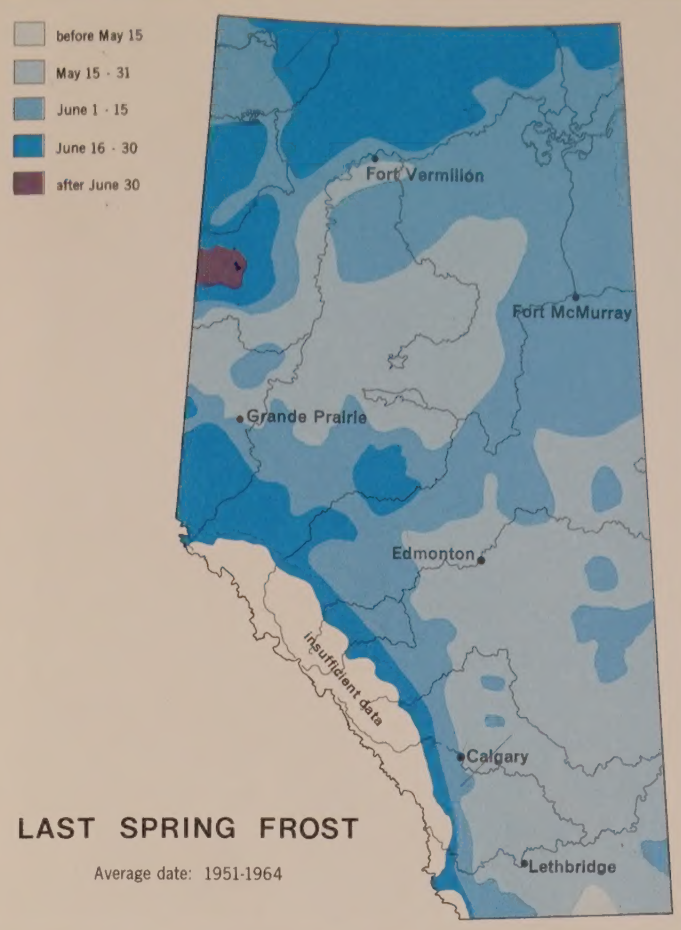
BELOW 65°F (18.3°C)

Below 65°F used to estimate fuel consumption for heating period.

TEMPERATURE RANGE

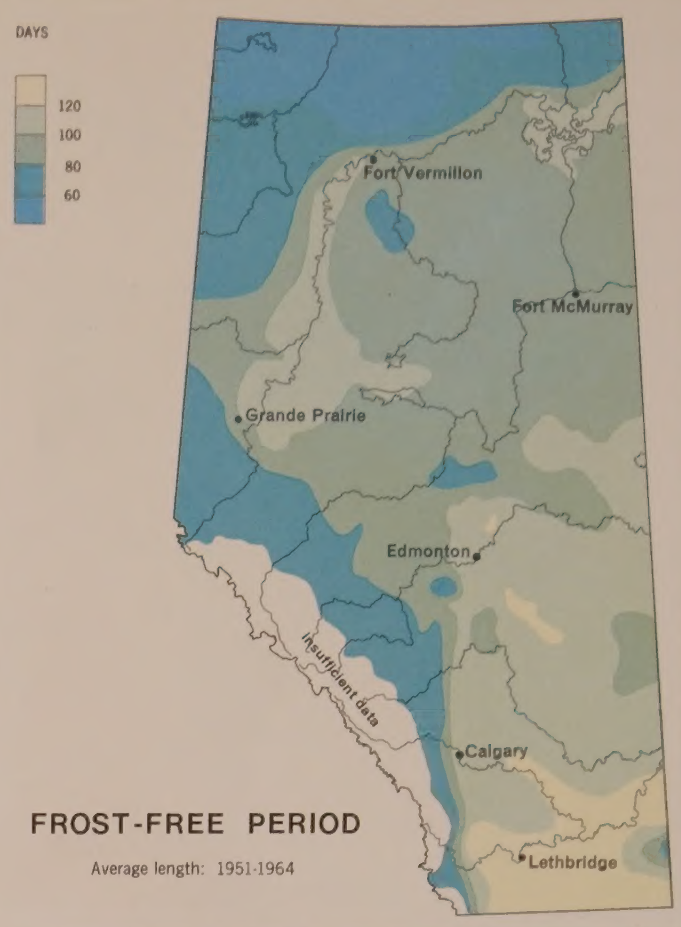

°F °C
70° 21.1°
65° 18.3°
60° 15.6°
55° 12.8°
50° 10.0°
45° 7.2°
Isotherms in Fahrenheit
Fort Vermilion
Fort McMurray
Grande Prairie
Edmonton
Calgary
Lethbridge
insufficient data

Mean annual


before May 15
May 15 - 31
June 1 - 15
June 16 - 30
after June 30
Fort Vermilion
Fort McMurray
Grande Prairie
Edmonton
insufficient data
Calgary
Lethbridge

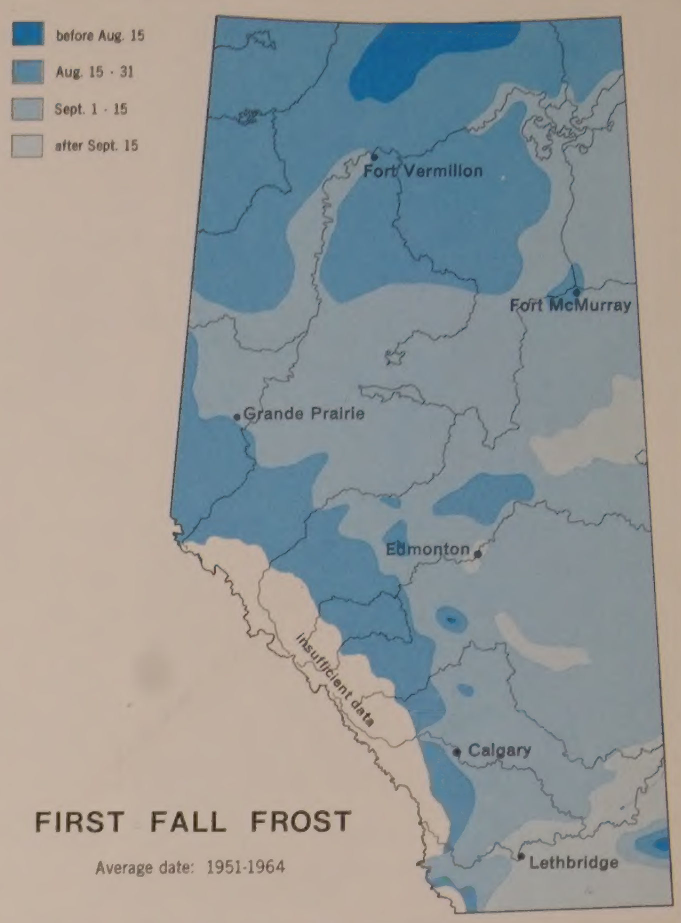
LAST SPRING FROST

Average date: 1951-1964


DAYS
120
100
80
60
Fort Vermilion
Fort McMurray
Grande Prairie
Edmonton
insufficient data
Calgary
Lethbridge

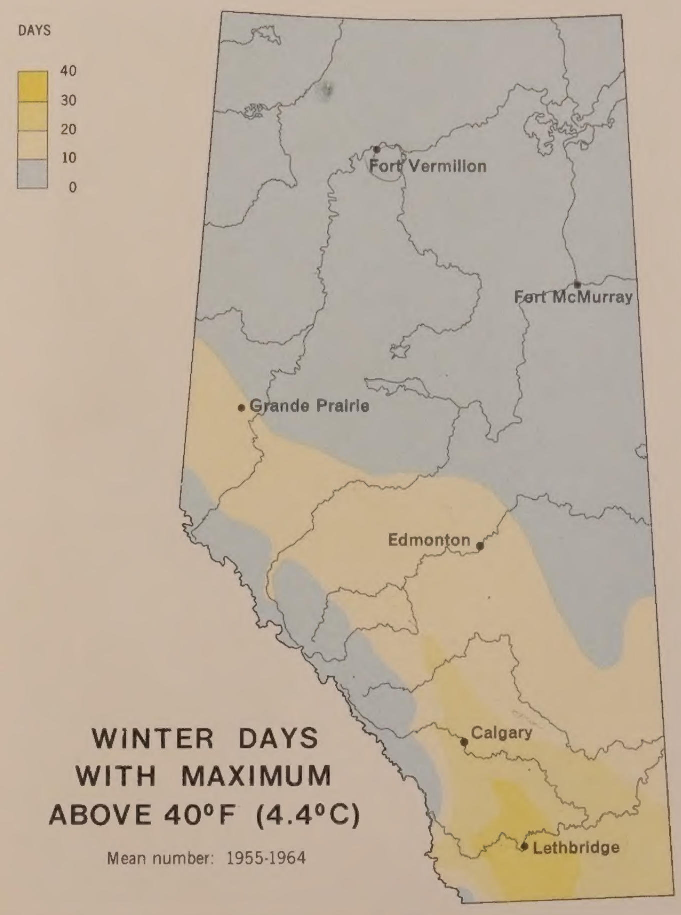
FROST-FREE PERIOD

Average length: 1951-1964


before Aug. 15
Aug. 15 - 31
Sept. 1 - 15
after Sept. 15
Fort Vermilion
Fort McMurray
Grande Prairie
Edmonton
insufficient data
Calgary
Lethbridge

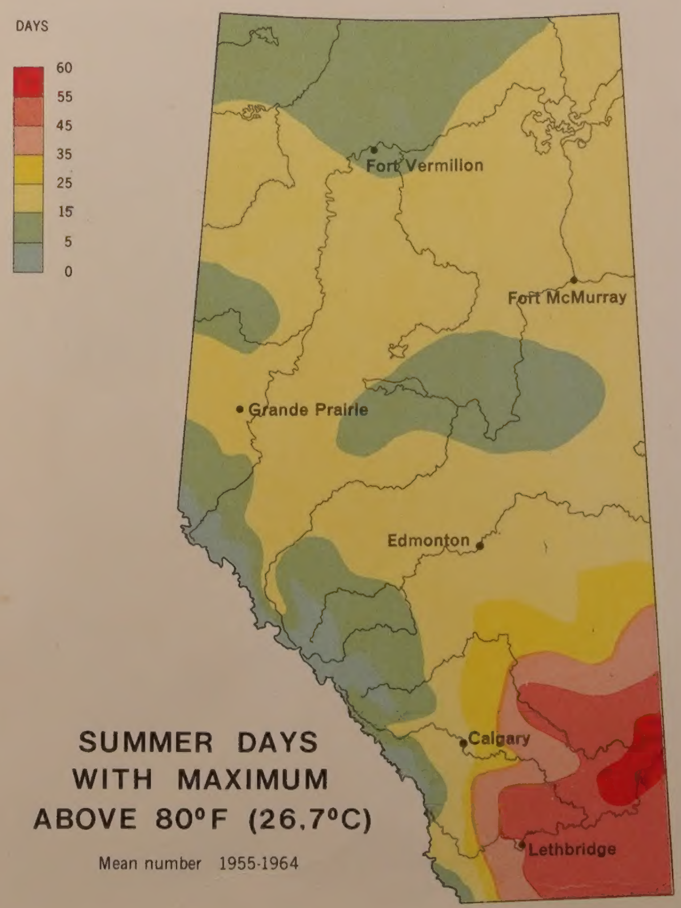
FIRST FALL FROST

Average date: 1951-1964


DAYS
40
30
20
10
0
Fort Vermilion
Fort McMurray
Grande Prairie
Edmonton
Calgary
Lethbridge

WINTER DAYS WITH MAXIMUM ABOVE 40°F (4.4°C)

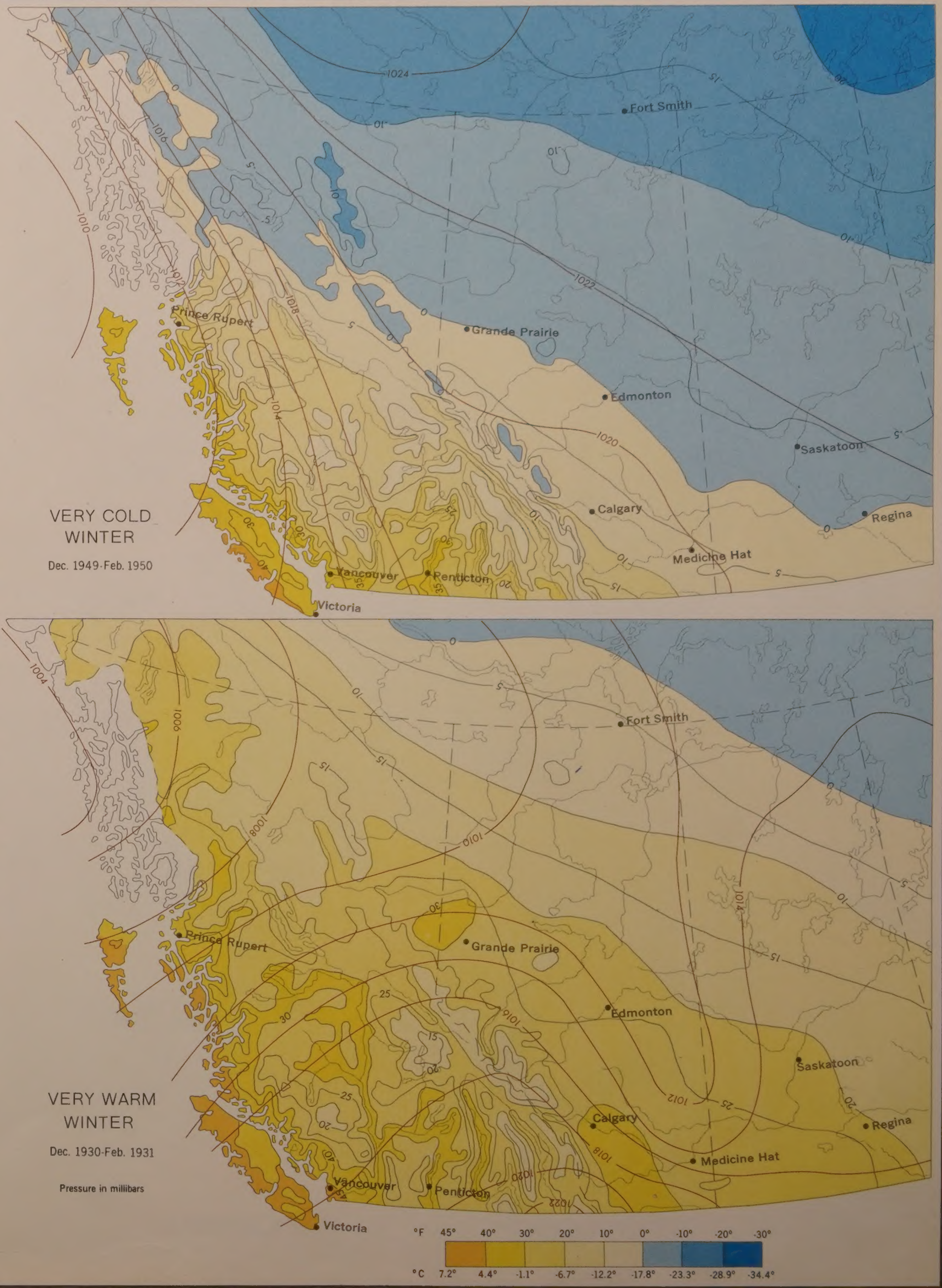
Mean number: 1955-1964


DAYS
60
55
45
35
25
15
5
0
Fort Vermilion
Fort McMurray
Grande Prairie
Edmonton
Calgary
Lethbridge

SUMMER DAYS WITH MAXIMUM ABOVE 80°F (26.7°C)

Mean number 1955-1964

WINTERS IN WESTERN CANADA


Fort Smith
Grande Prairie
Edmonton
Saskatoon
Regina
Calgary
Medicine Hat
Prince Rupert
Vancouver
Penticton
Victoria
1024
1022
1020
1018
1016
1014
1012
1010
1008
1006
1004
°F 45° 40° 30° 20° 10° 0° -10° -20° -30°
°C 7.2° 4.4° -1.1° -6.7° -12.2° -17.8° -23.3° -28.9° -34.4°

VERY COLD WINTER

Dec. 1949-Feb. 1950

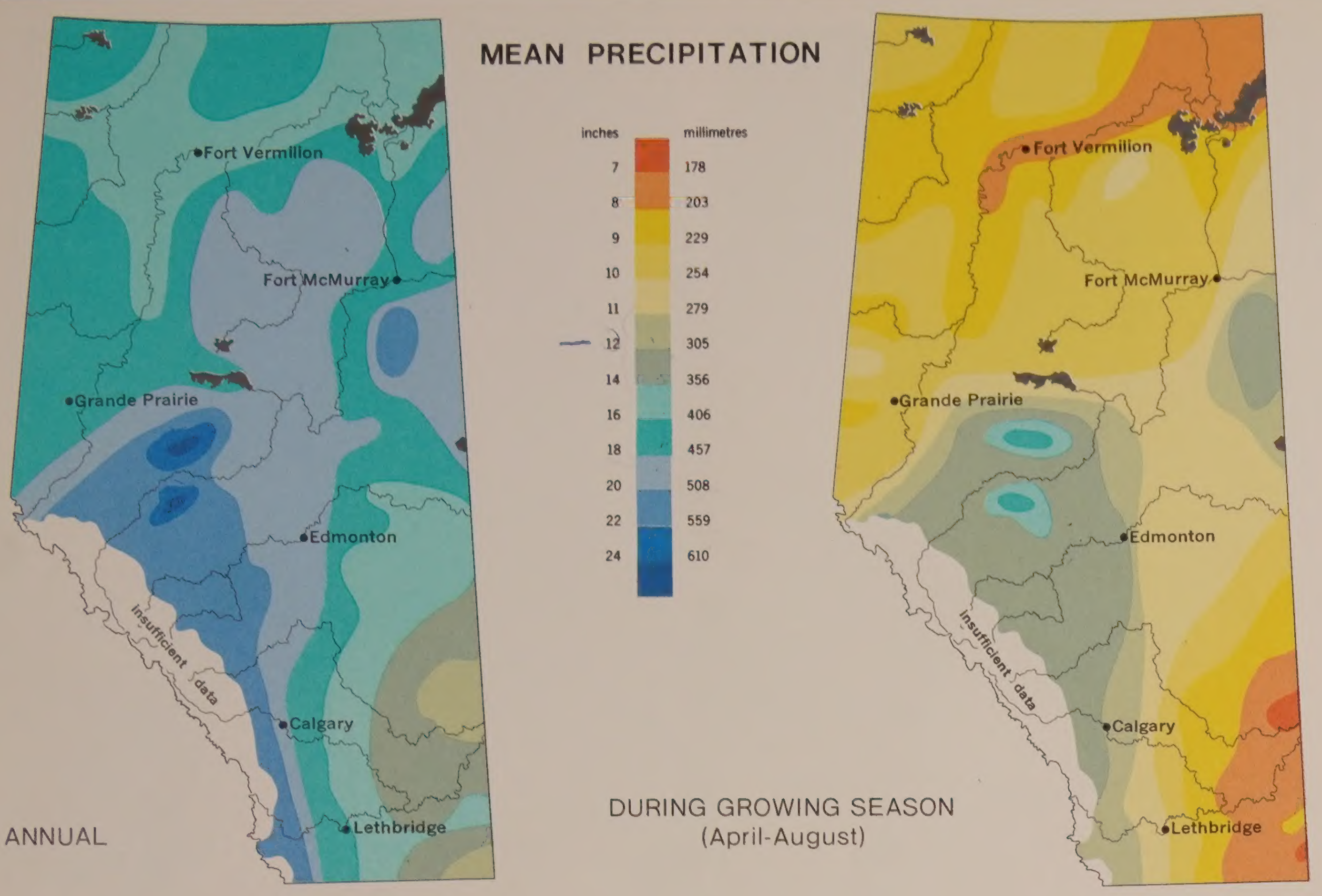
VERY WARM WINTER

Dec. 1930-Feb. 1931

Pressure in millibars

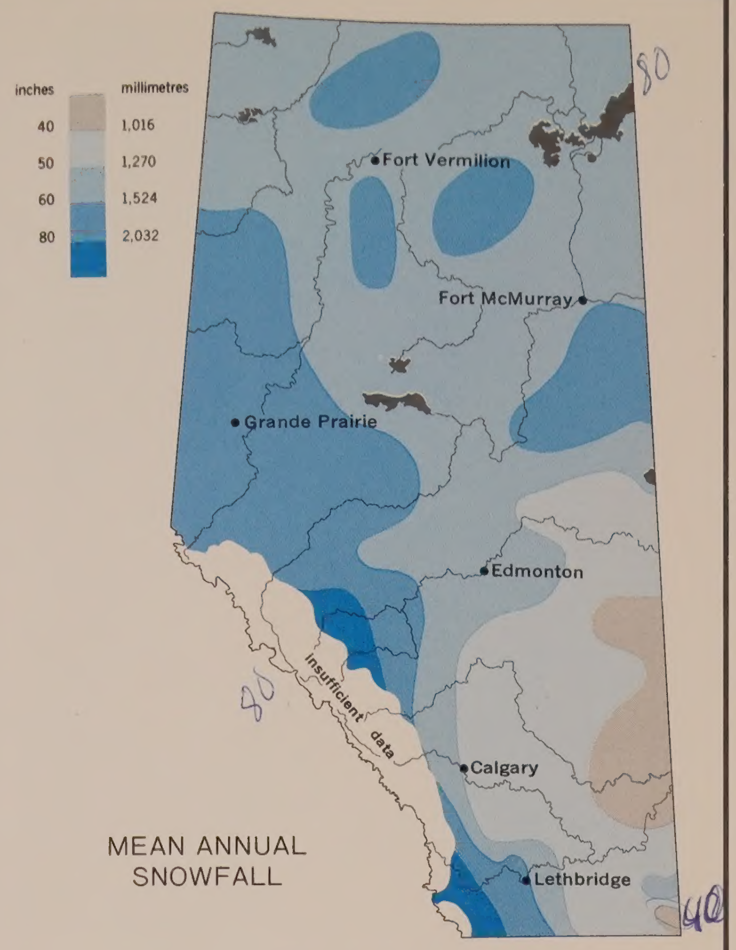
PRECIPITATION 1931-1960

MEAN PRECIPITATION


inches
millimetres
7 178
8 203
9 229
10 254
11 279
12 305
14 356
16 406
18 457
20 508
22 559
24 610
Fort Vermilion
Fort McMurray
Grande Prairie
Edmonton
Calgary
Lethbridge
insufficient data

ANNUAL

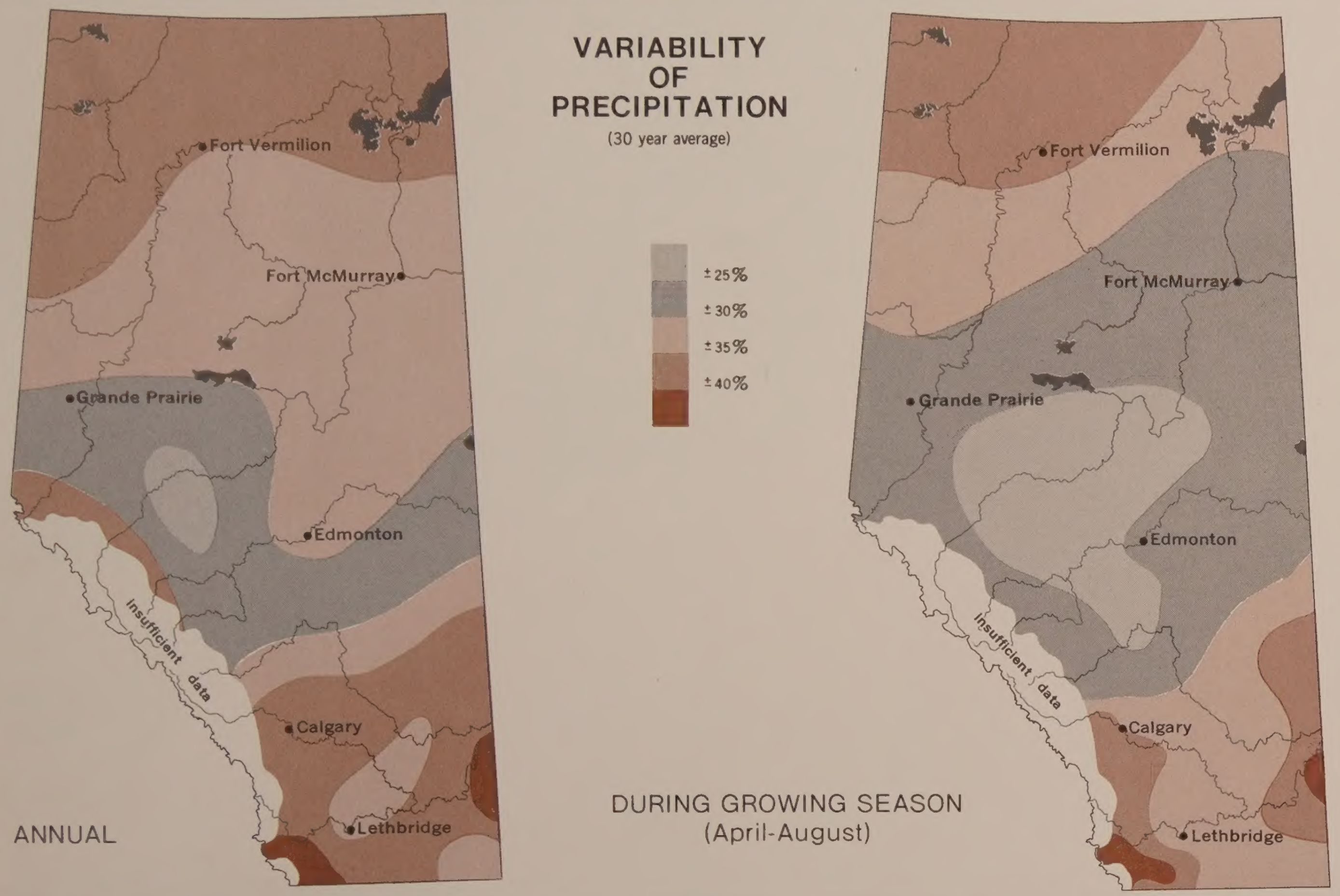
DURING GROWING SEASON (April-August)


inches
millimetres
40 1,016
50 1,270
60 1,524
80 2,032
80
80
40
Fort Vermilion
Fort McMurray
Grande Prairie
Edmonton
Calgary
Lethbridge
insufficient data

MEAN ANNUAL SNOWFALL

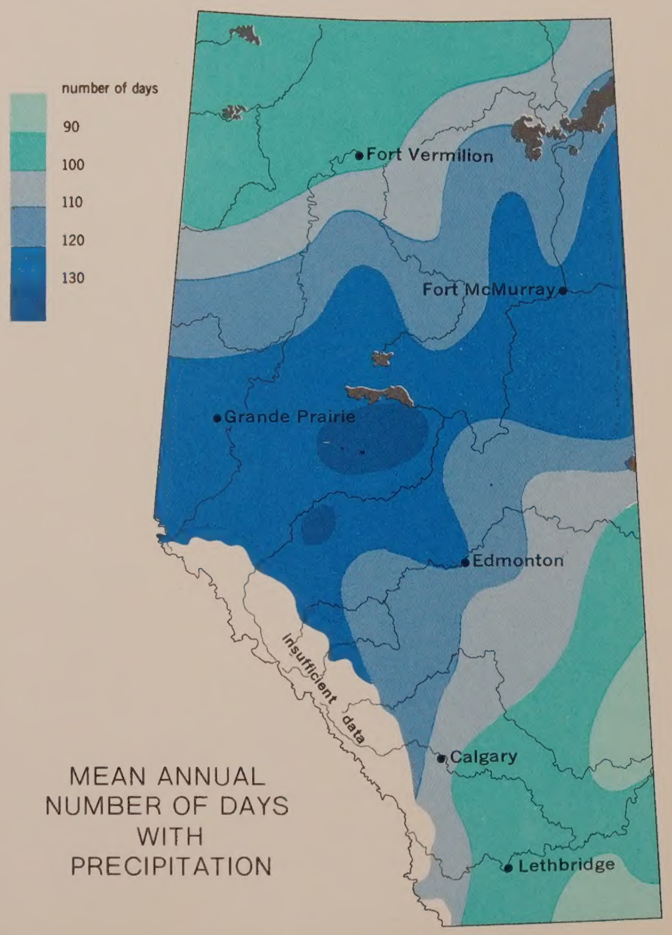
VARIABILITY OF PRECIPITATION

(30 year average)


±25%
±30%
±35%
±40%
Fort Vermilion
Fort McMurray
Grande Prairie
Edmonton
Calgary
Lethbridge
insufficient data

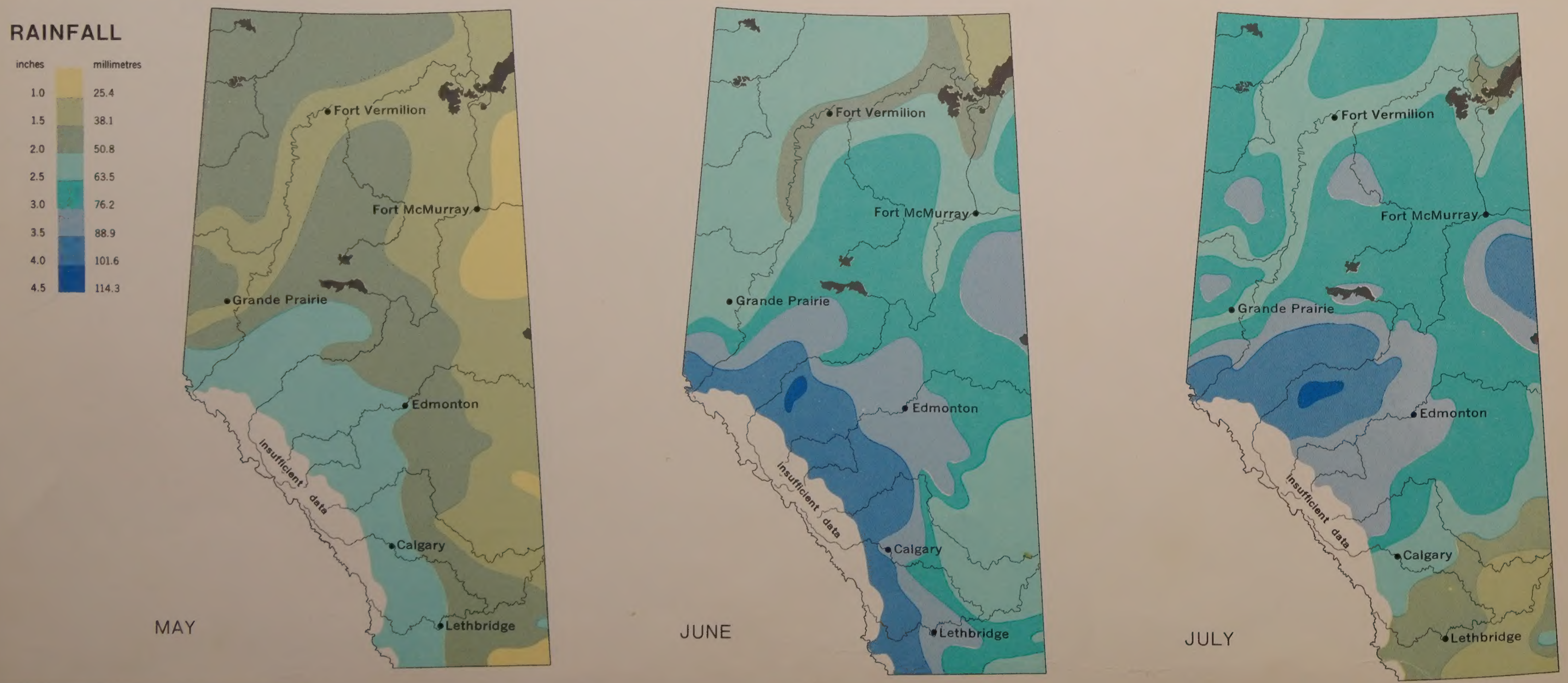
ANNUAL

DURING GROWING SEASON (April-August)


number of days
90
100
110
120
130
Fort Vermilion
Fort McMurray
Grande Prairie
Edmonton
Calgary
Lethbridge
insufficient data

MEAN ANNUAL NUMBER OF DAYS WITH PRECIPITATION

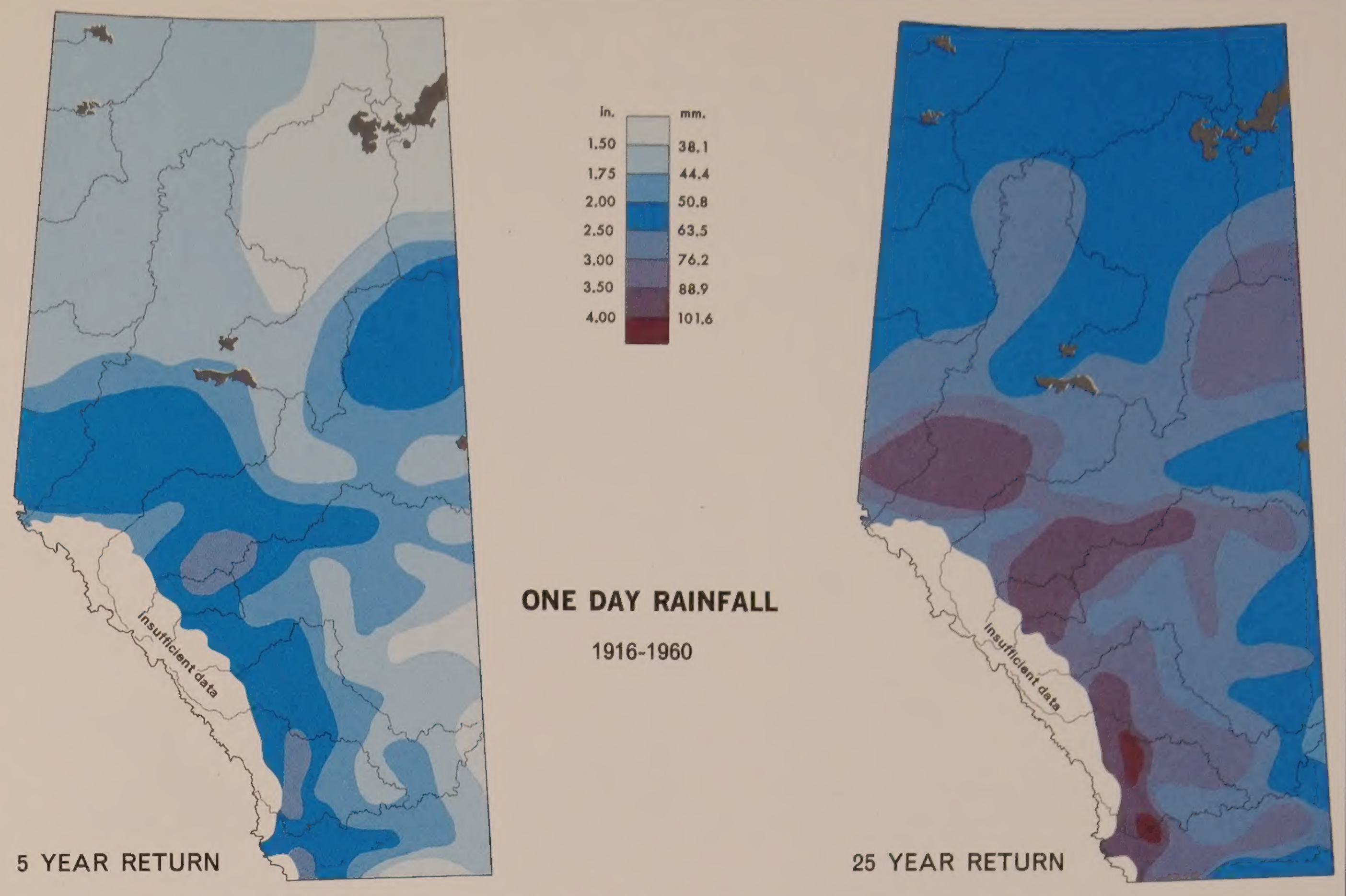
RAINFALL


inches
millimetres
1.0 25.4
1.5 38.1
2.0 50.8
2.5 63.5
3.0 76.2
3.5 88.9
4.0 101.6
4.5 114.3
Fort Vermilion
Fort McMurray
Grande Prairie
Edmonton
Calgary
Lethbridge
insufficient data

MAY

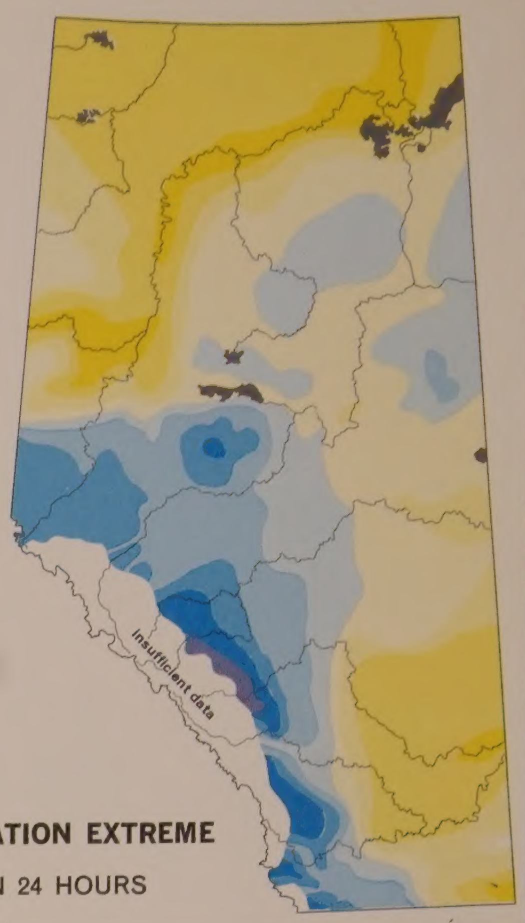
JUNE

JULY


in.
mm.
1.50 38.1
1.75 44.4
2.00 50.8
2.50 63.5
3.00 76.2
3.50 88.9
4.00 101.6
insufficient data
insufficient data
5 YEAR RETURN
25 YEAR RETURN

ONE DAY RAINFALL

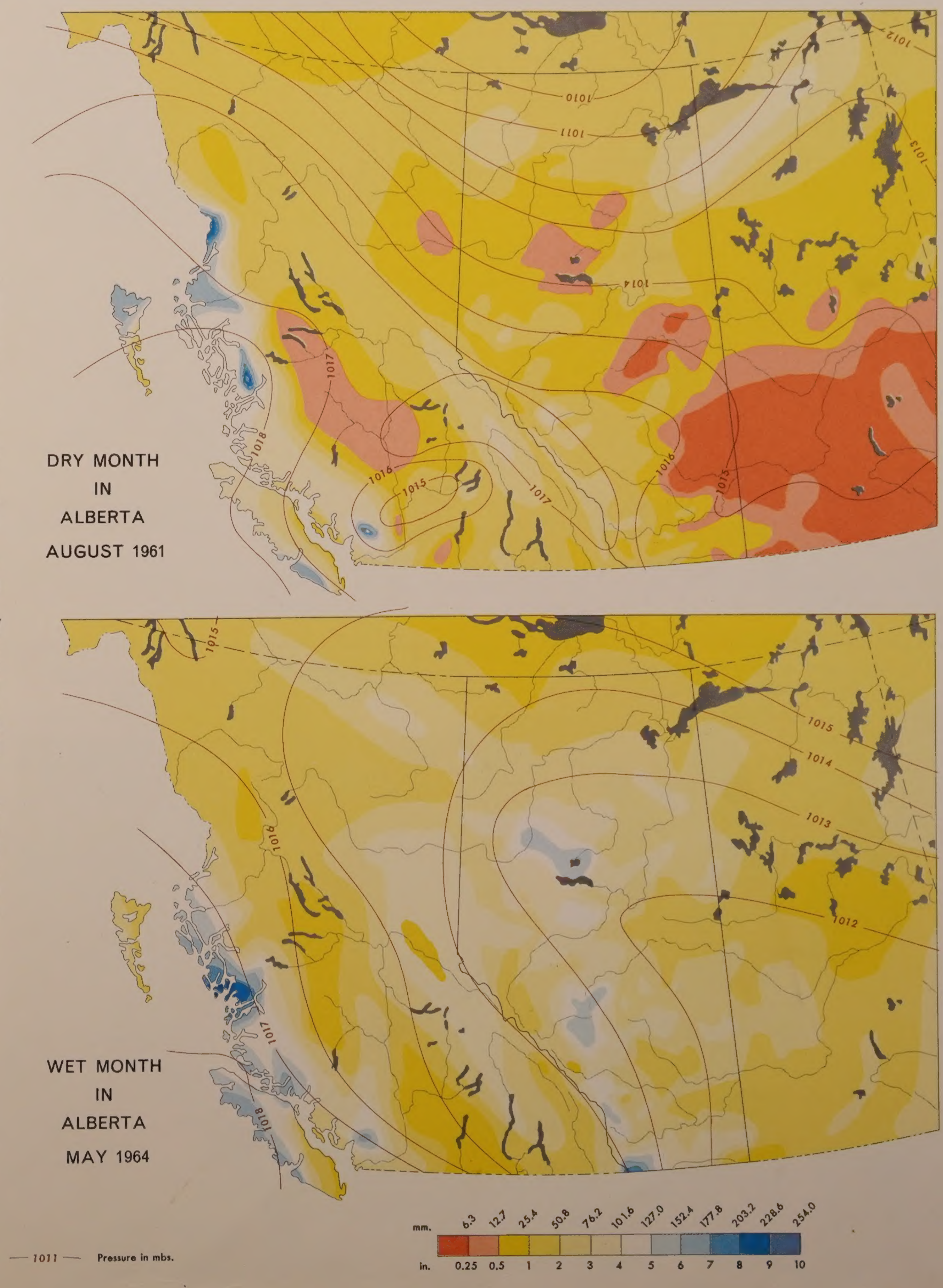
1916-1960


in.
mm.
1.2 30.4
1.3 33.0
1.4 35.5
1.5 38.1
1.6 40.6
1.7 43.1
1.8 45.7
2.0 50.8
insufficient data

PRECIPITATION EXTREME

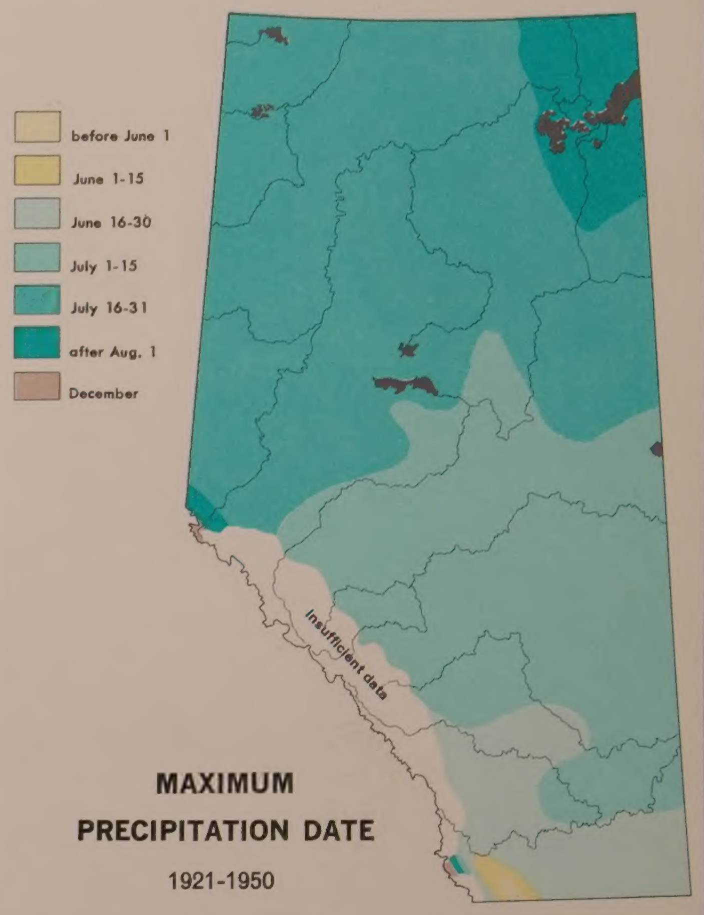
MEAN 24 HOURS

PRECIPITATION IN WESTERN CANADA


1010
1011
1012
1013
1014
1017
1018
1016
1015
1017
1016
1015
1015
1014
1013
1016
1017
1018
1012
mm. 6.3 12.7 25.4 50.8 76.2 101.6 127.0 152.4 177.8 203.2 228.6 254.0
in. 0.25 0.5 1 2 3 4 5 6 7 8 9 10
— 1011 — Pressure in mbs.

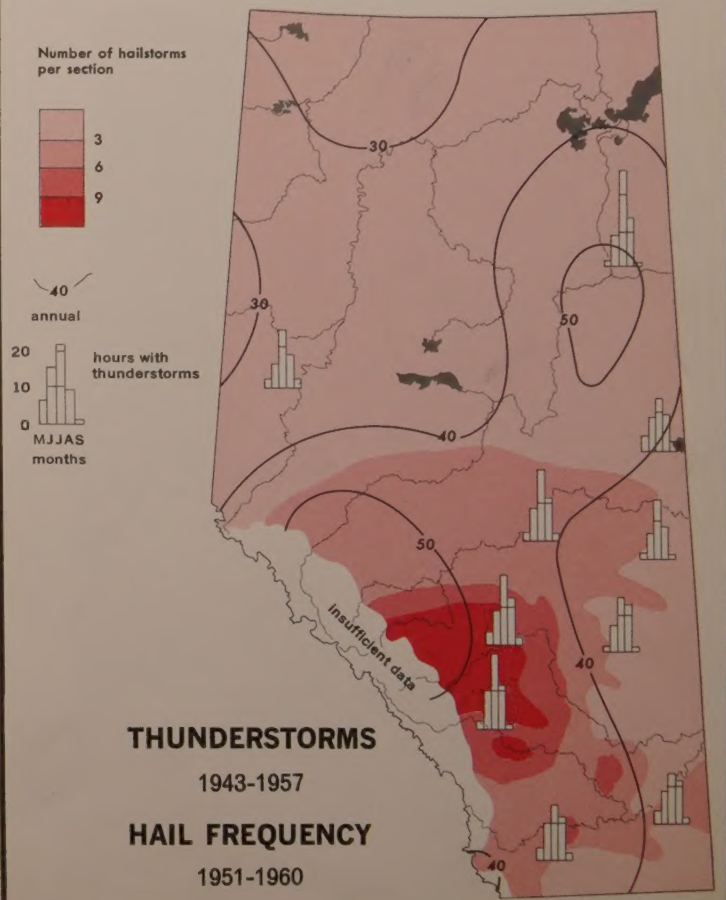
DRY MONTH IN ALBERTA AUGUST 1961

WET MONTH IN ALBERTA MAY 1964


before June 1
June 1-15
June 16-30
July 1-15
July 16-31
after Aug. 1
December
insufficient data

MAXIMUM PRECIPITATION DATE

1921-1950


Number of hailstorms per section
3
6
9
40
annual
20
10
0
hours with thunderstorms
MJJAS
months
30
30
50
40
50
40
40
insufficient data

THUNDERSTORMS

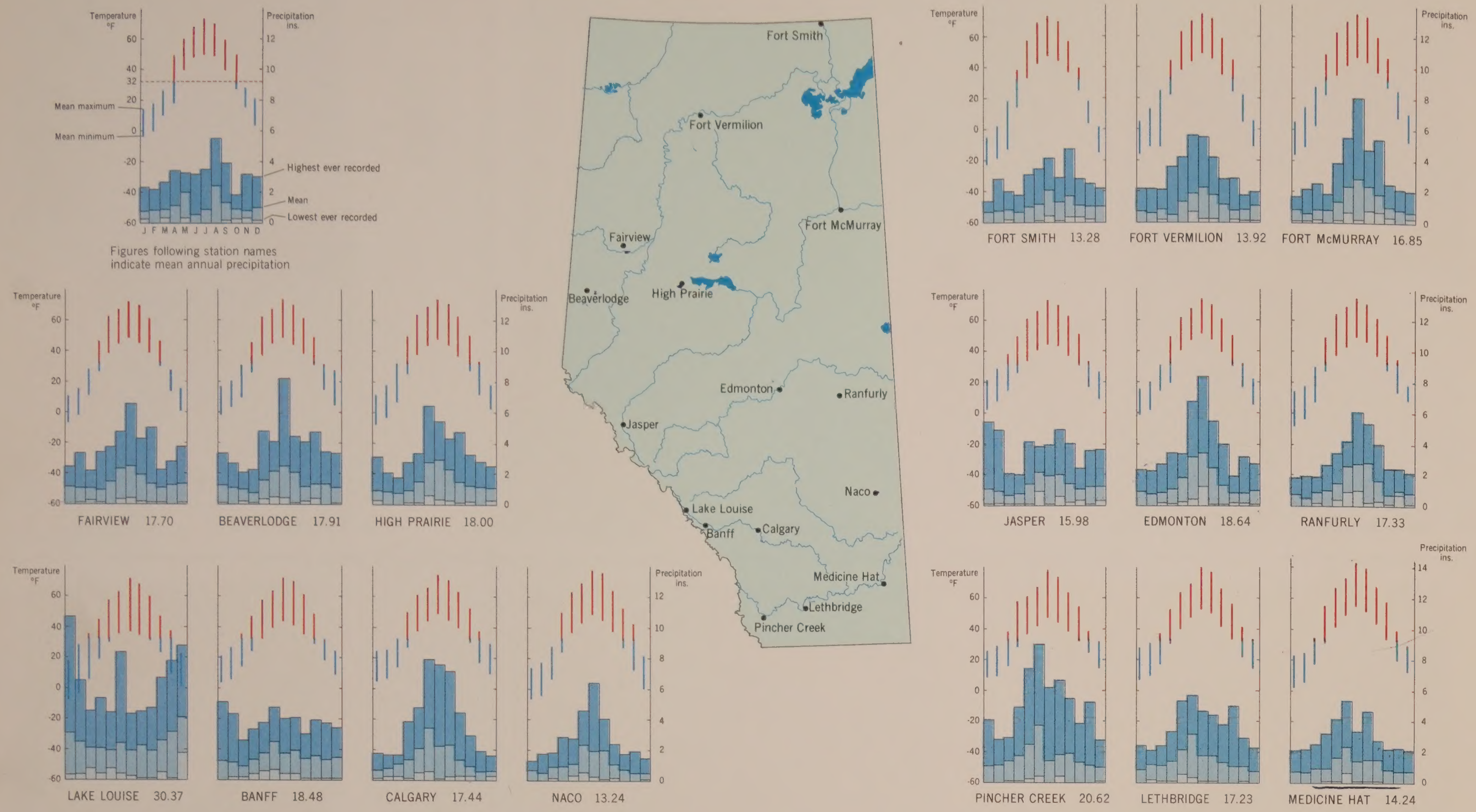
1943-1957

HAIL FREQUENCY

1951-1960

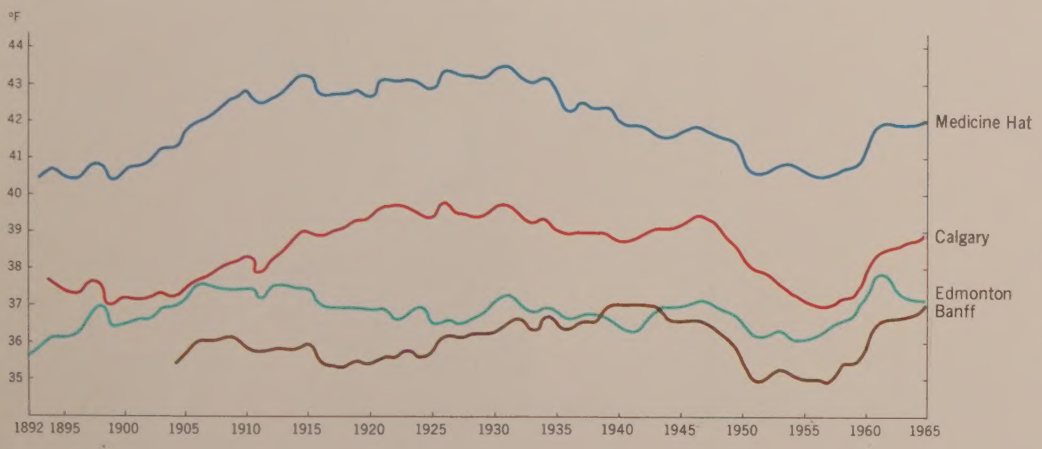
CLIMATE

SELECTED WEATHER STATIONS 1931-1960

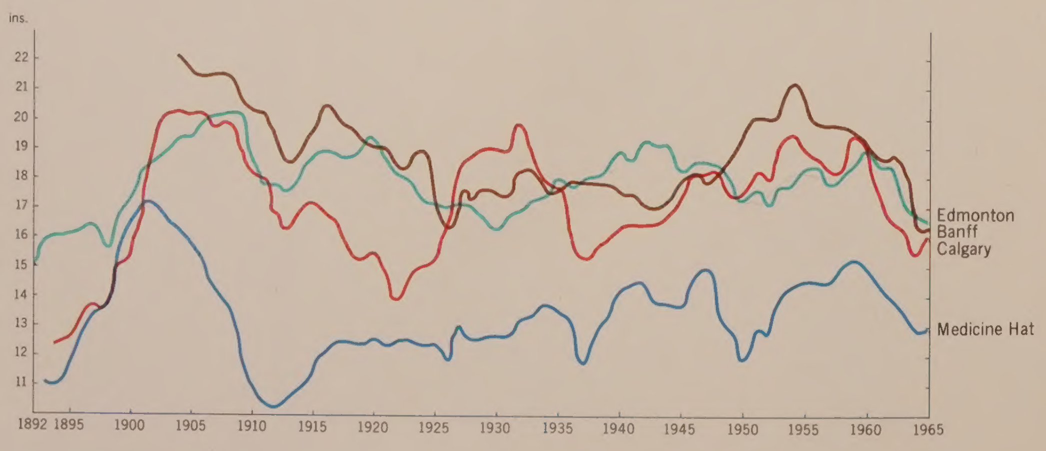


Figures following station names indicate mean annual precipitation

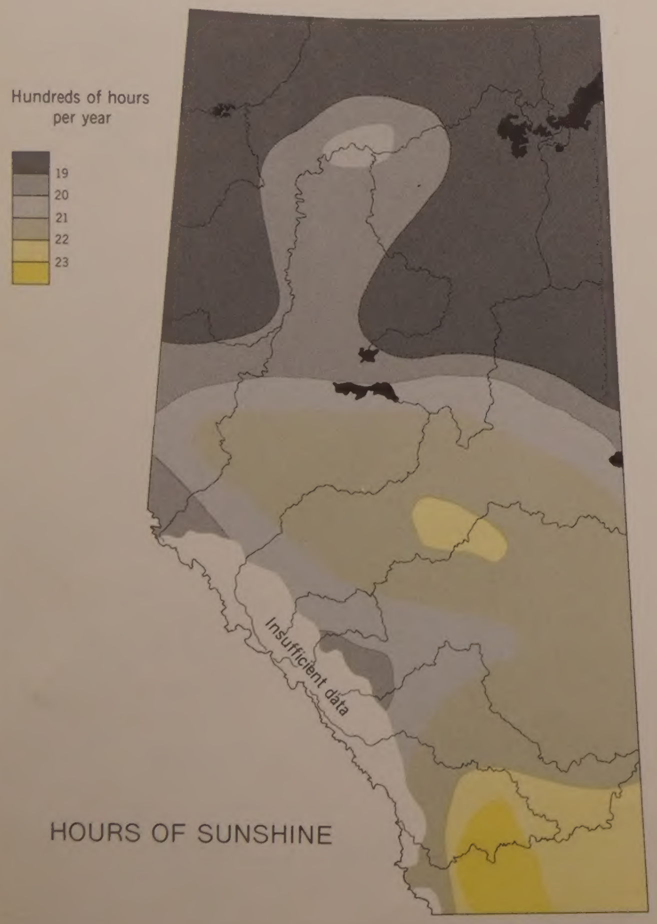
10 YEAR RUNNING MEAN TEMPERATURE (last year of decade)



10 YEAR RUNNING MEAN PRECIPITATION (last year of decade)

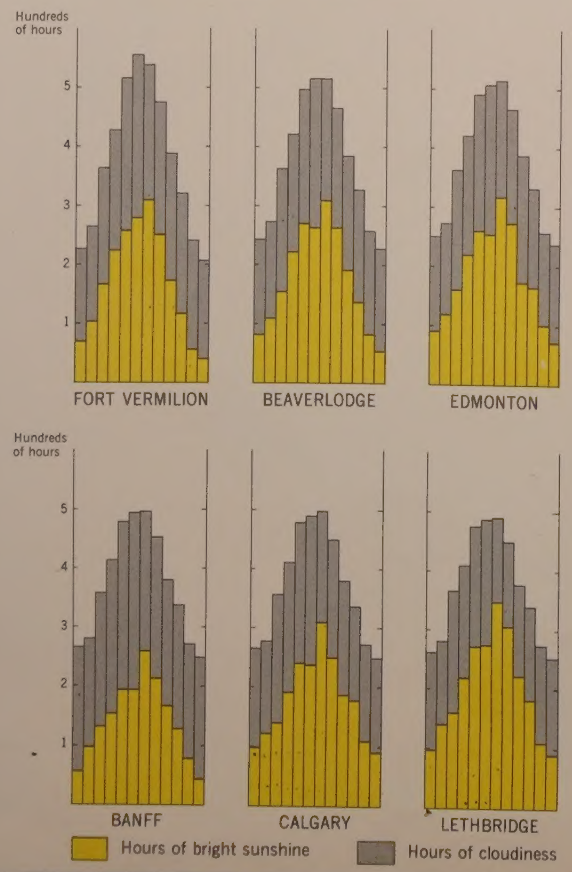


SUNSHINE AND CLOUDINESS

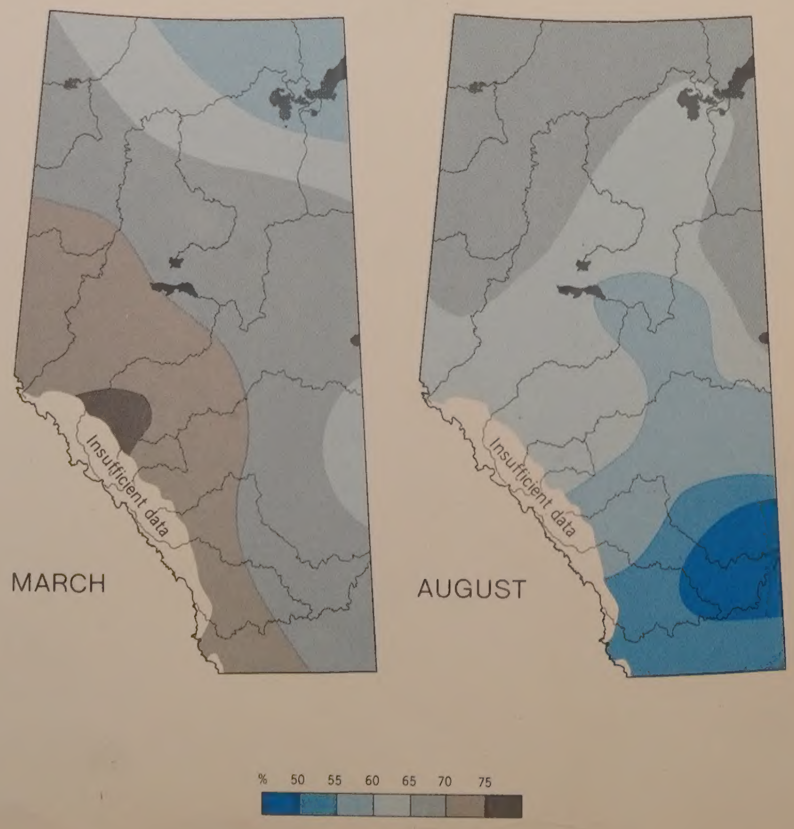

Hundreds of hours per year
19
20
21
22
23
Insufficient data

HOURS OF SUNSHINE

HOURS OF SUNSHINE AND CLOUDINESS
(during daylight hours)

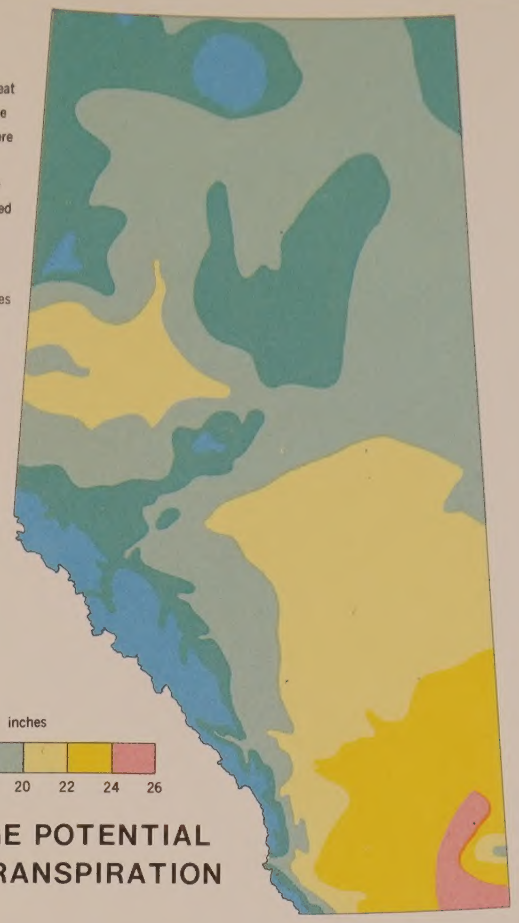


PERCENTAGE OF SKY COVERED BY CLOUD
(during daylight hours)


Insufficient data
MARCH
AUGUST
%
50
55
60
65
70
75

This is a measure of the heat supply available to evaporate and transpire moisture where soil moisture supplies are not limiting: e.g. where the precipitation is supplemented by irrigation.

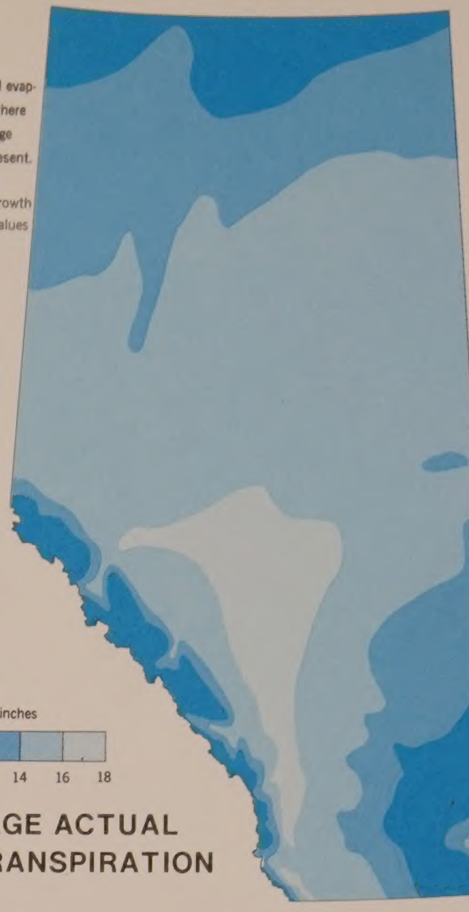
It is a measure of growth potential if moisture supplies are abundant.


inches
0
14
18
20
22
24
26

AVERAGE POTENTIAL EVAPOTRANSPIRATION

This is a measure of actual evaporation and transpiration where average soil moisture storage capacities (4 inches) are present.

It is a measure of actual growth potential - areas with low values are either cool or dry.

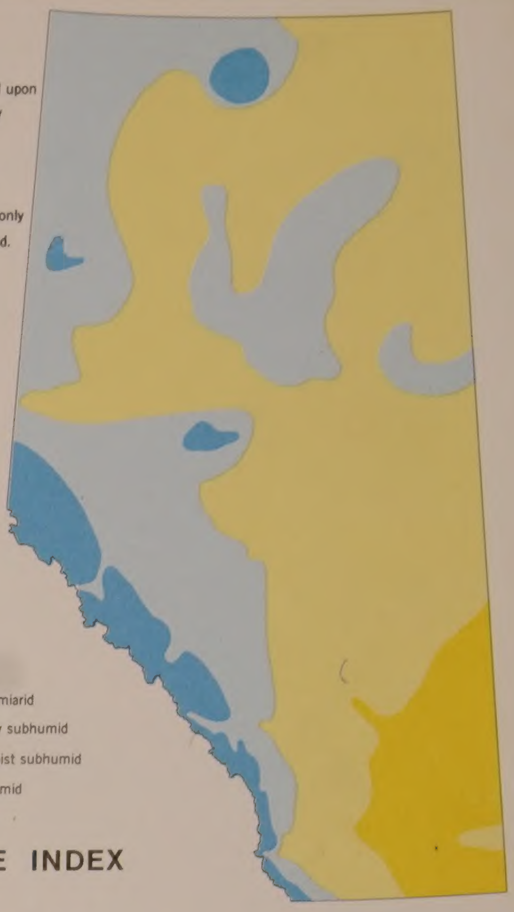

inches
10
12
14
16
18

AVERAGE ACTUAL EVAPOTRANSPIRATION

The Moisture Index is based upon water surplus and deficiency relationships:

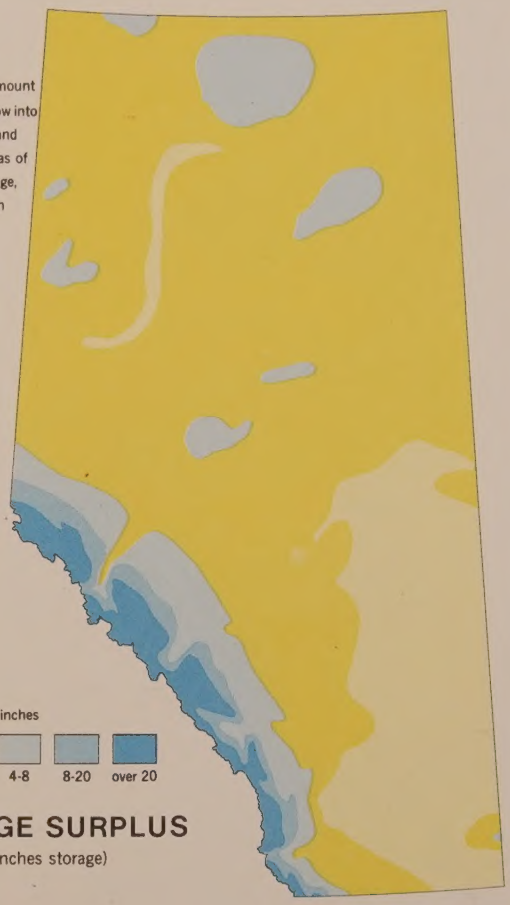
$$Im = \frac{100s - 60d}{n}$$

There are no arid areas and only the higher uplands are humid.


Im
-40
-20
0
20
40
Semiarid
Dry subhumid
Moist subhumid
Humid

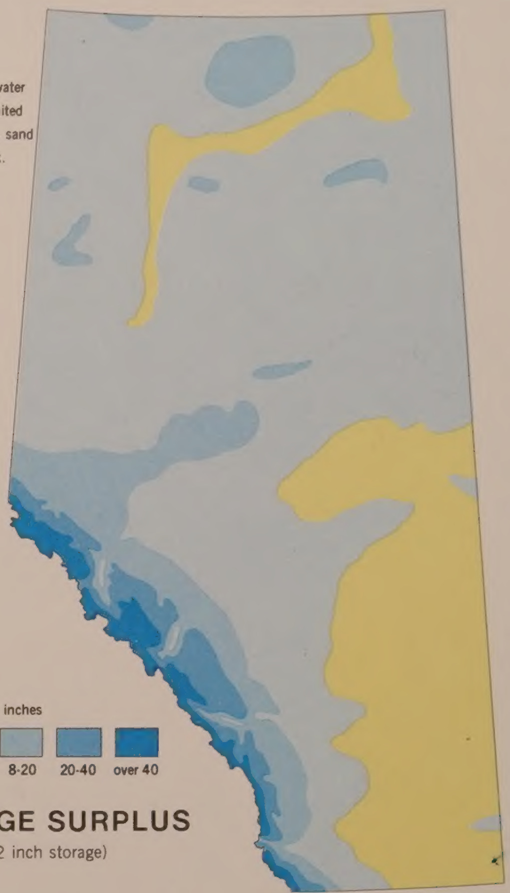
MOISTURE INDEX

This is approximately the amount of precipitation that would flow into streams, local depressions and ground water storage in areas of average soil moisture recharge, e.g. loams with cereal grain cover.


inches
0-1
1-4
4-8
8-20
over 20

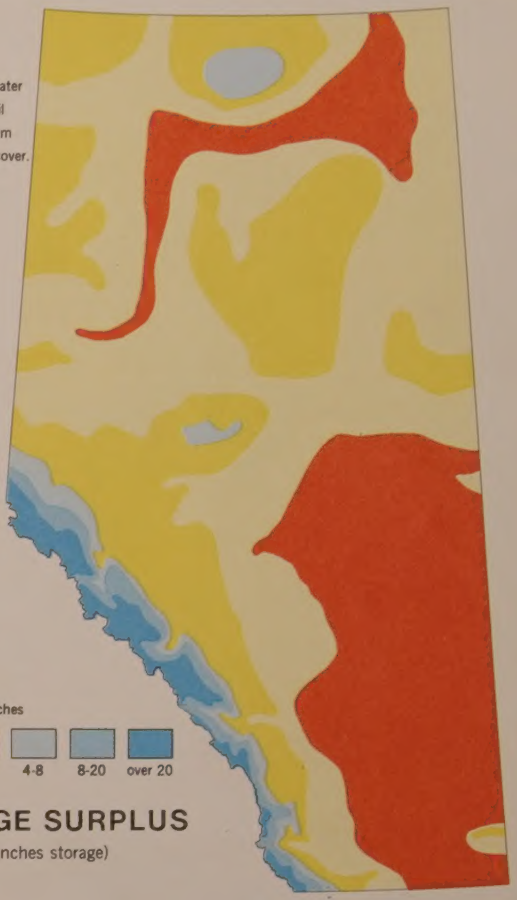
AVERAGE SURPLUS
(4 inches storage)

This is approximately the water surplus in areas of very limited soil moisture recharge, e.g. sand plains and almost bare rock.


inches
0-4
4-8
8-20
20-40
over 40

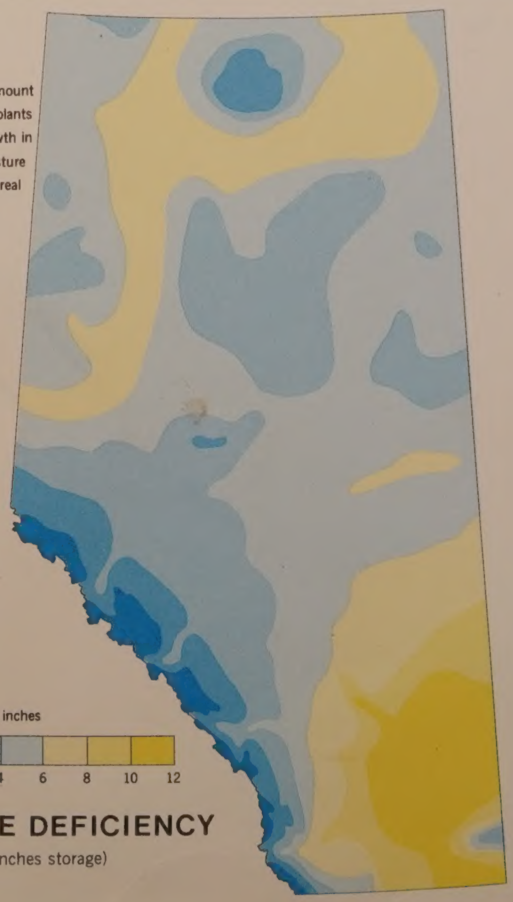
AVERAGE SURPLUS
(1/2 inch storage)

This is approximately the water surplus in areas of high soil moisture recharge , e.g. loam soils with a mature forest cover.


inches
no surplus
0-1
1-4
4-8
8-20
over 20

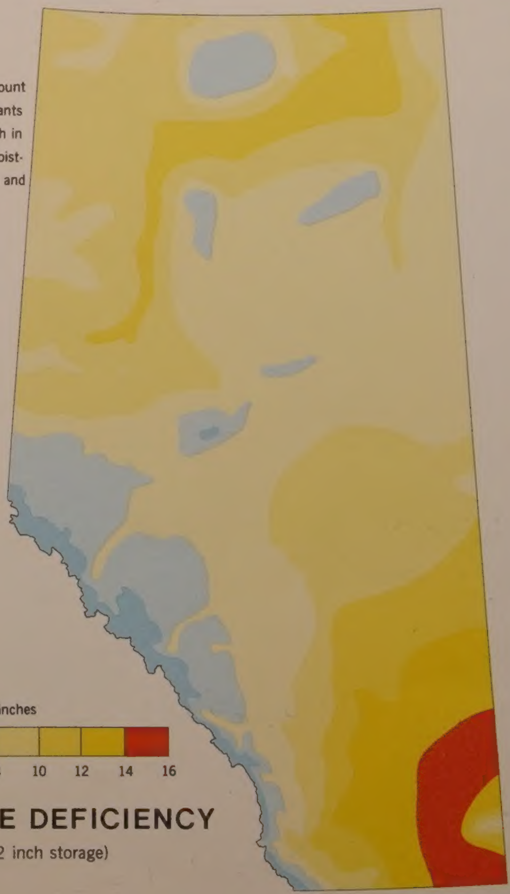
AVERAGE SURPLUS
(12 inches storage)

This is approximately the amount of additional moisture that plants could use for optimum growth in areas with average soil moisture recharge, e.g. loams with cereal grain cover.


inches
0
2
4
6
8
10
12

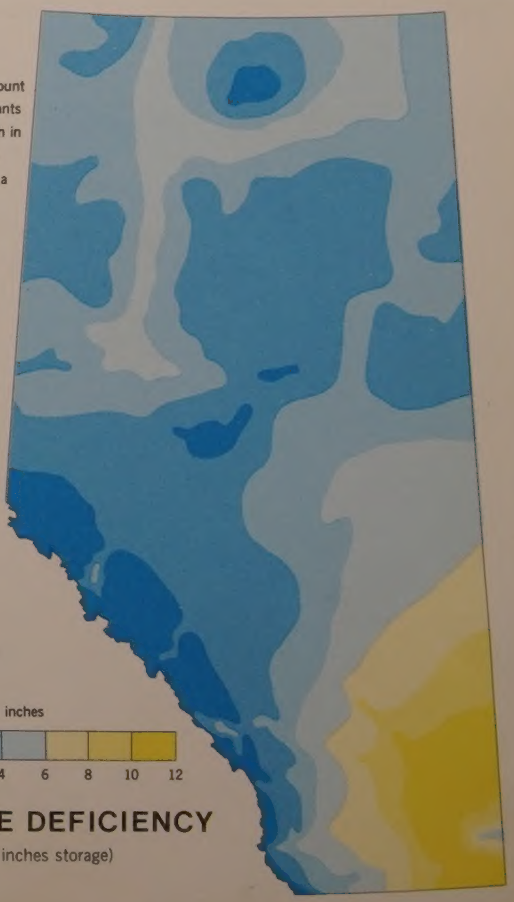
AVERAGE DEFICIENCY
(4 inches storage)

This is approximately the amount of additional moisture that plants could use for optimum growth in areas with very limited soil moisture recharge; e.g. sand plains and almost bare rock.


inches
2
4
6
8
10
12
14
16

AVERAGE DEFICIENCY
(1/2 inch storage)

This is approximately the amount of additional moisture that plants could use for optimum growth in areas with high soil moisture recharge, e.g. loam soils with a mature forest cover.


inches
0
2
4
6
8
10
12

AVERAGE DEFICIENCY
(12 inches storage)

Type of front

Warm

Cold

Pressure system

L Low **H** High

Air masses

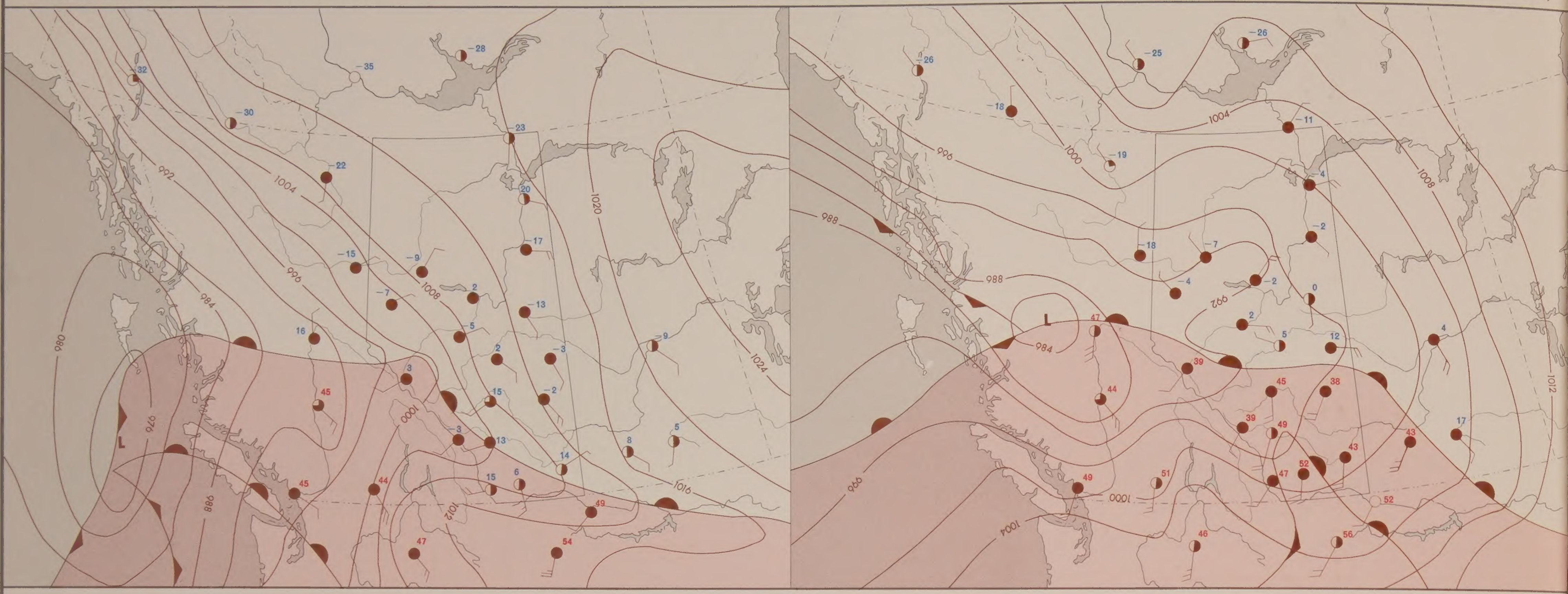
Cold Cool Warm

4 February 1963 (11 a.m.)

CHINOOK

SURFACE WEATHER

4 February 1963 (11 p.m.)

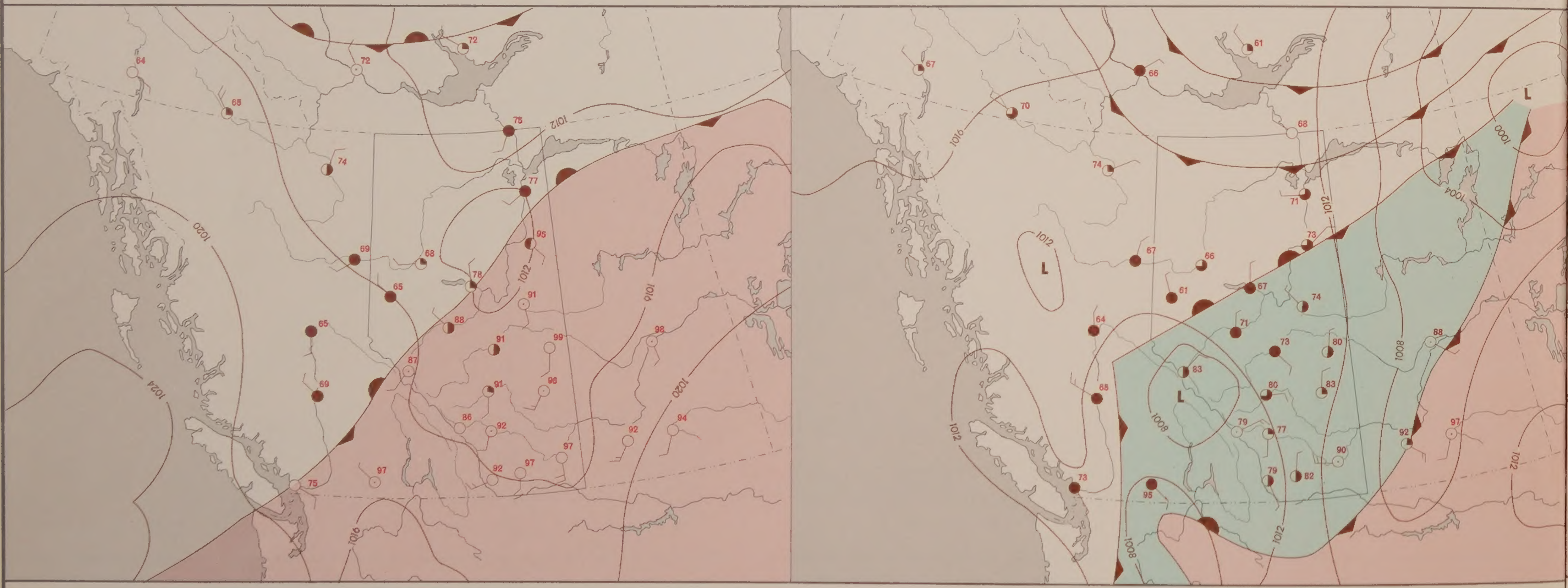


12 July 1964

HOT SPELL

SURFACE WEATHER MAXIMUM TEMPERATURE

13 July 1964

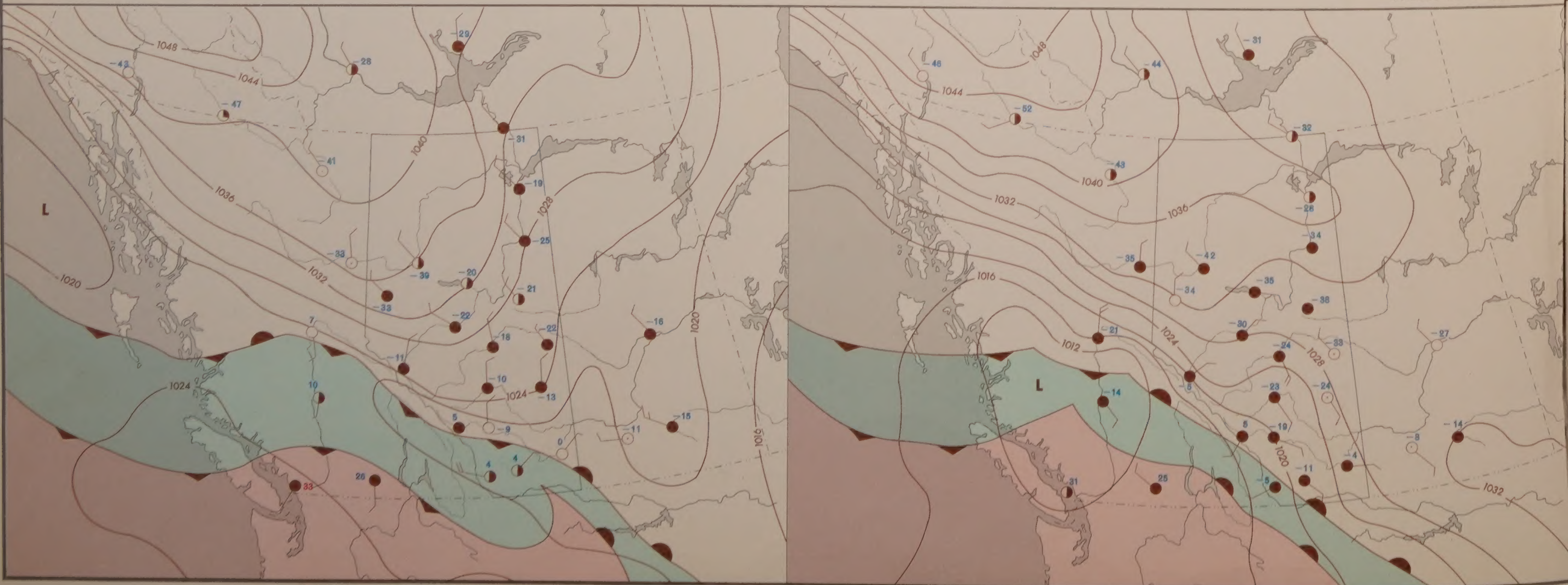


13 December 1964 (11 a.m.)

COLD SPELL

SURFACE WEATHER

14 December 1964 (11 a.m.)



Cloud condition at station

○ No cloud
◑ Cloudy
⊙ Trace of cloud
● Overcast

Plotting model

Station ○ Wind northeast 25 m. p. h.
68 / −9 Temperature °F

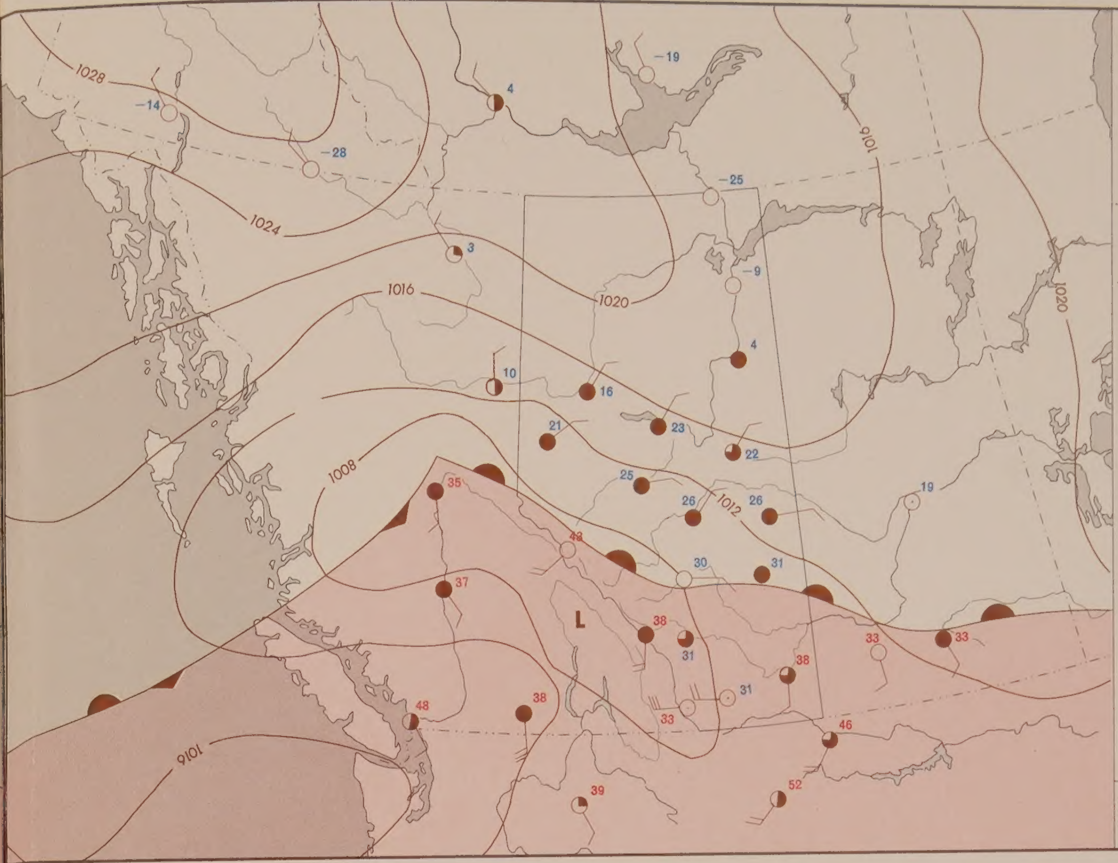
1020 Isobar pressure in millibars

⇒ Direction of hail movement

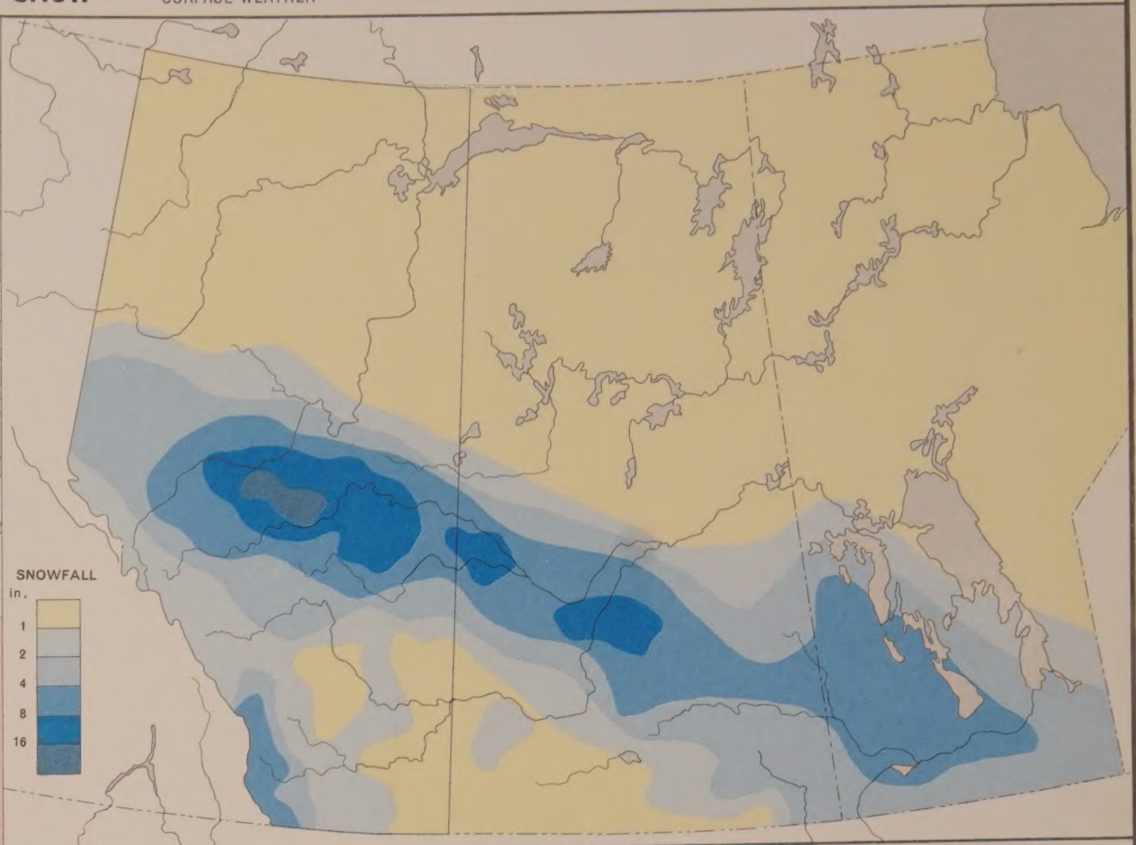
HEAVY SNOW

SURFACE WEATHER

3 February 1962 (5 a.m.)


1028
1024
1020
1016
1012
1008
L
-14
-28
-25
-19
4
3
-9
10
16
21
23
22
25
26
26
19
30
31
35
43
37
36
31
38
33
33
31
48
38
33
46
39
52

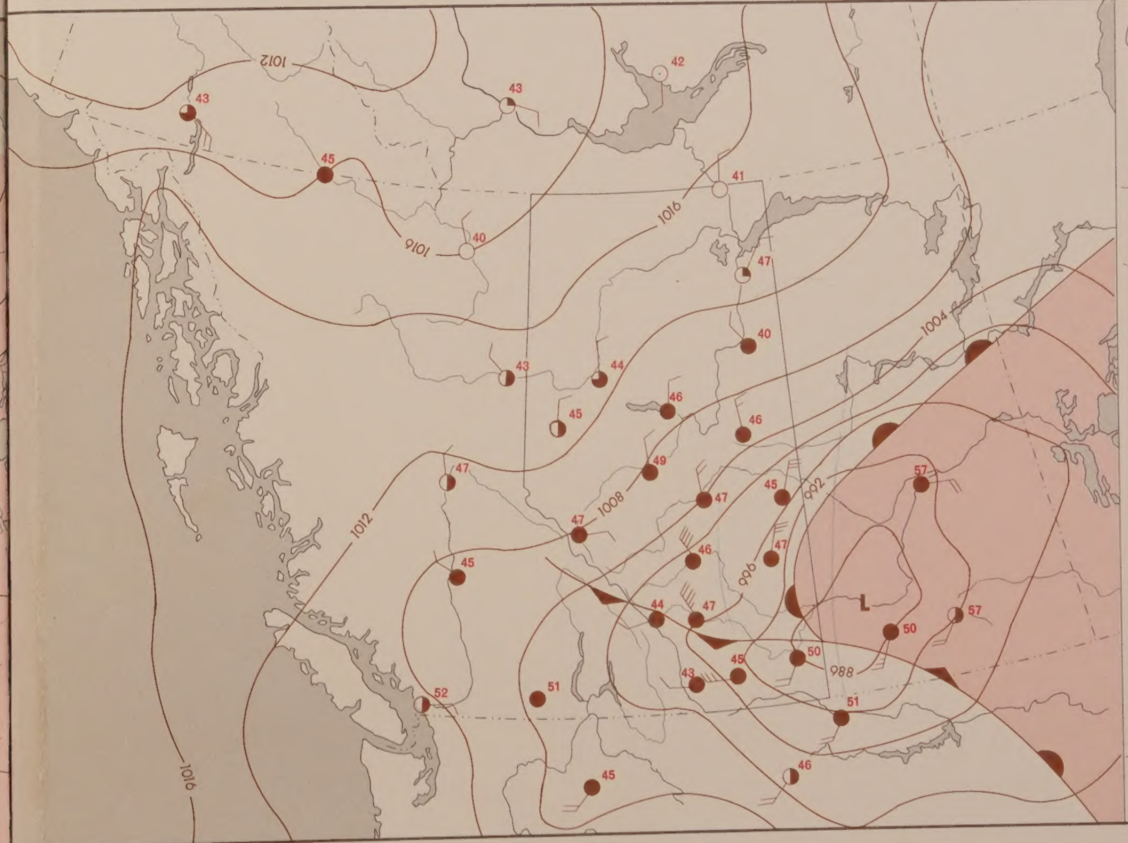
2-3 February 1962


SNOWFALL
in.
1
2
4
8
16

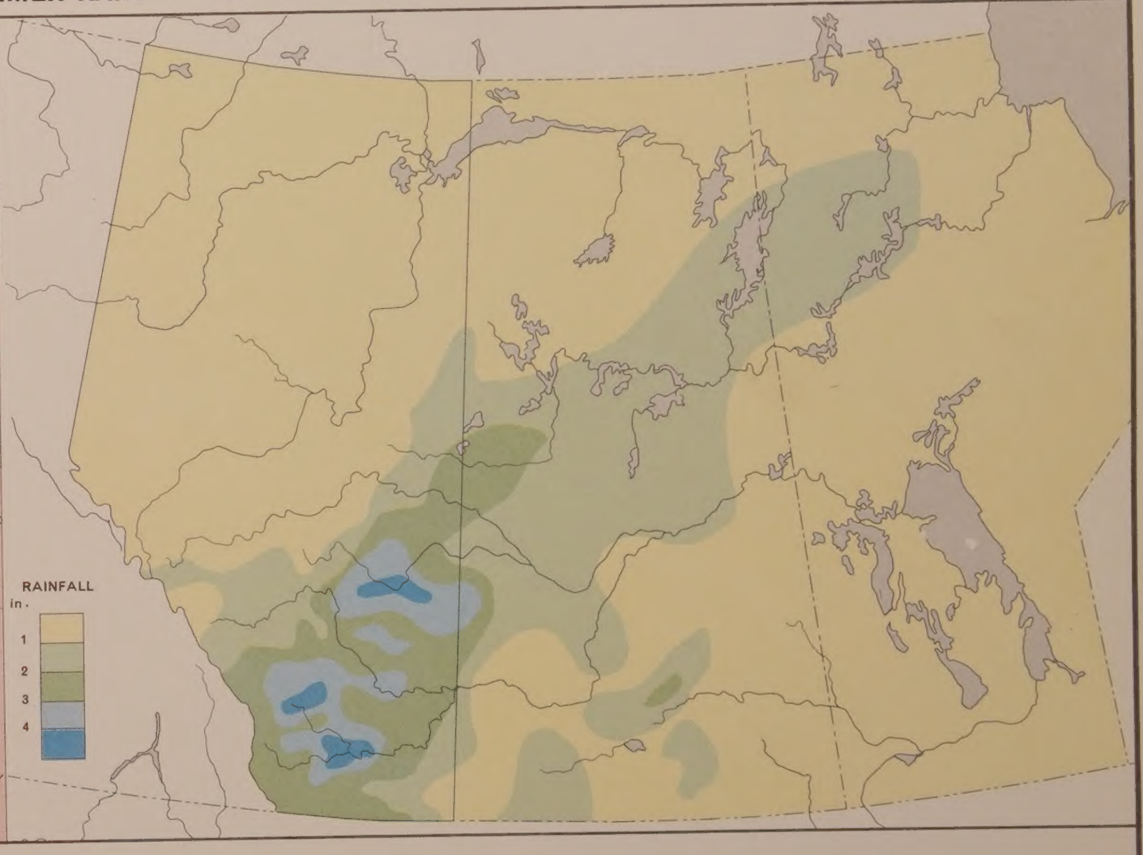
HEAVY SUMMER RAIN

SURFACE WEATHER

22 June 1963 (5 a.m.)


1012
1016
1012
1008
1004
1000
996
992
988
1016
L
42
43
43
45
40
41
47
40
43
44
45
46
46
47
49
47
45
47
46
44
47
57
57
50
45
47
50
51
52
51
46
45

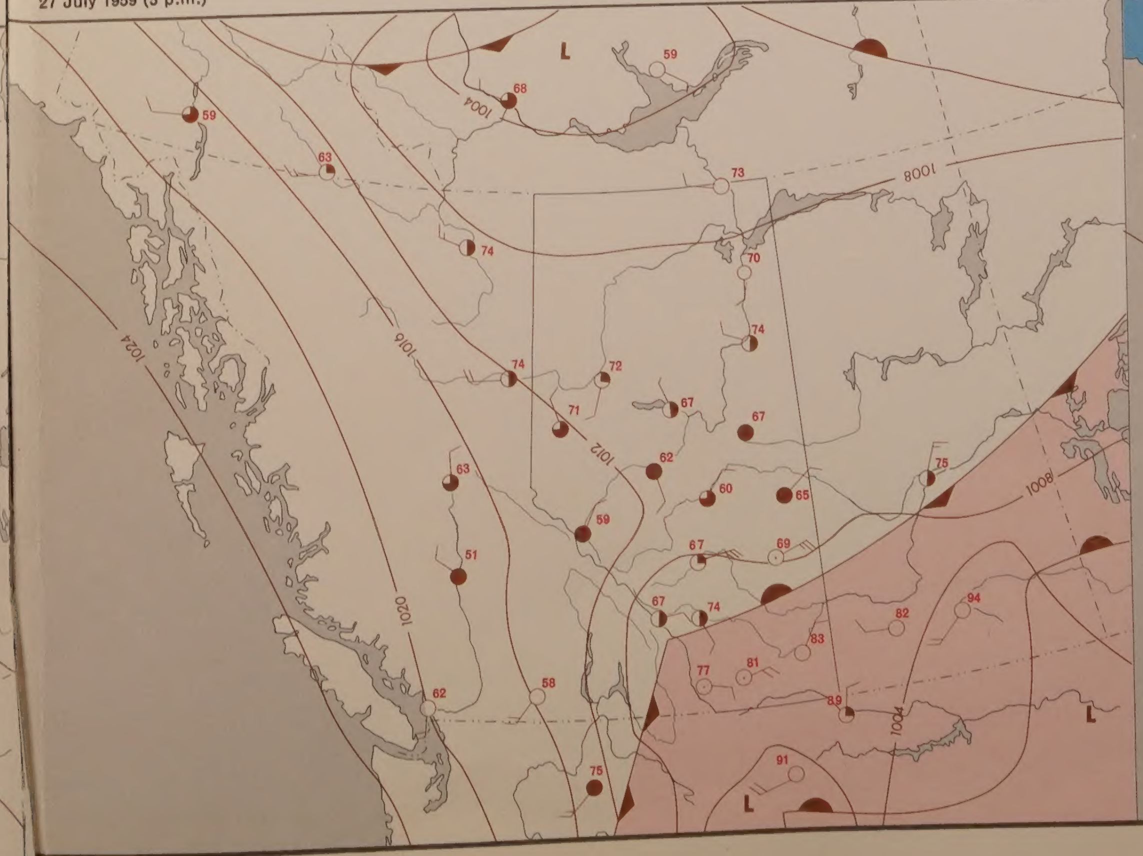
20-23 June 1963


RAINFALL
in.
1
2
3
4

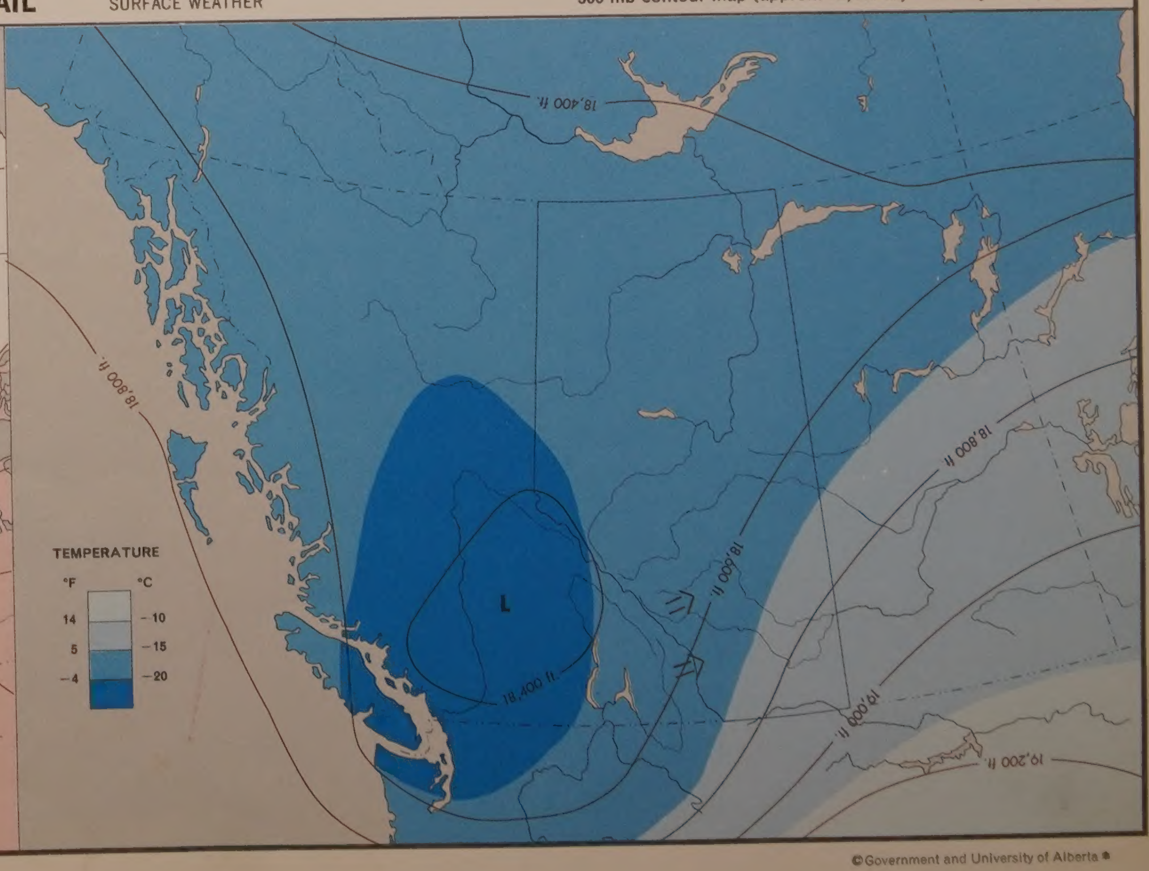
HAIL

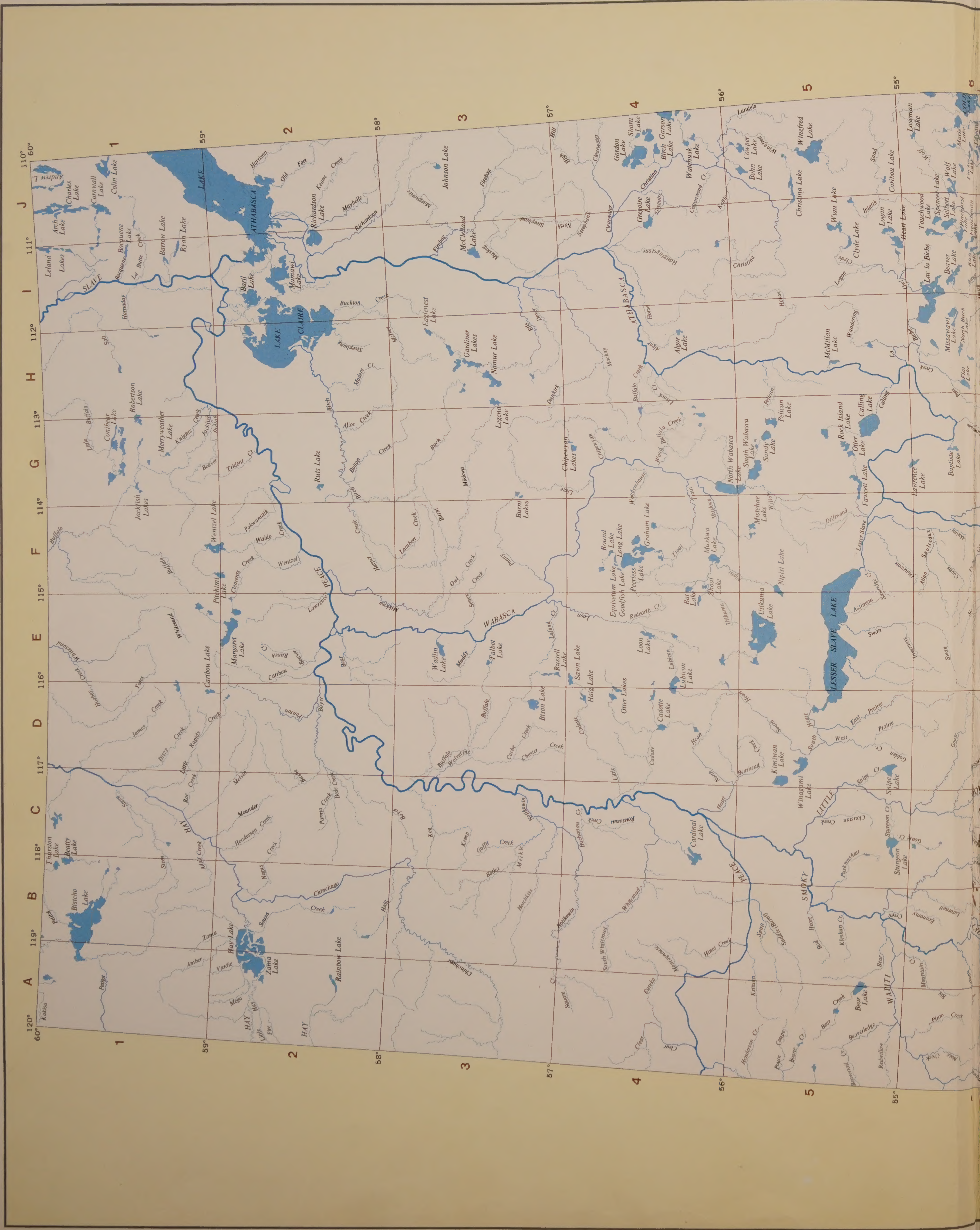
SURFACE WEATHER

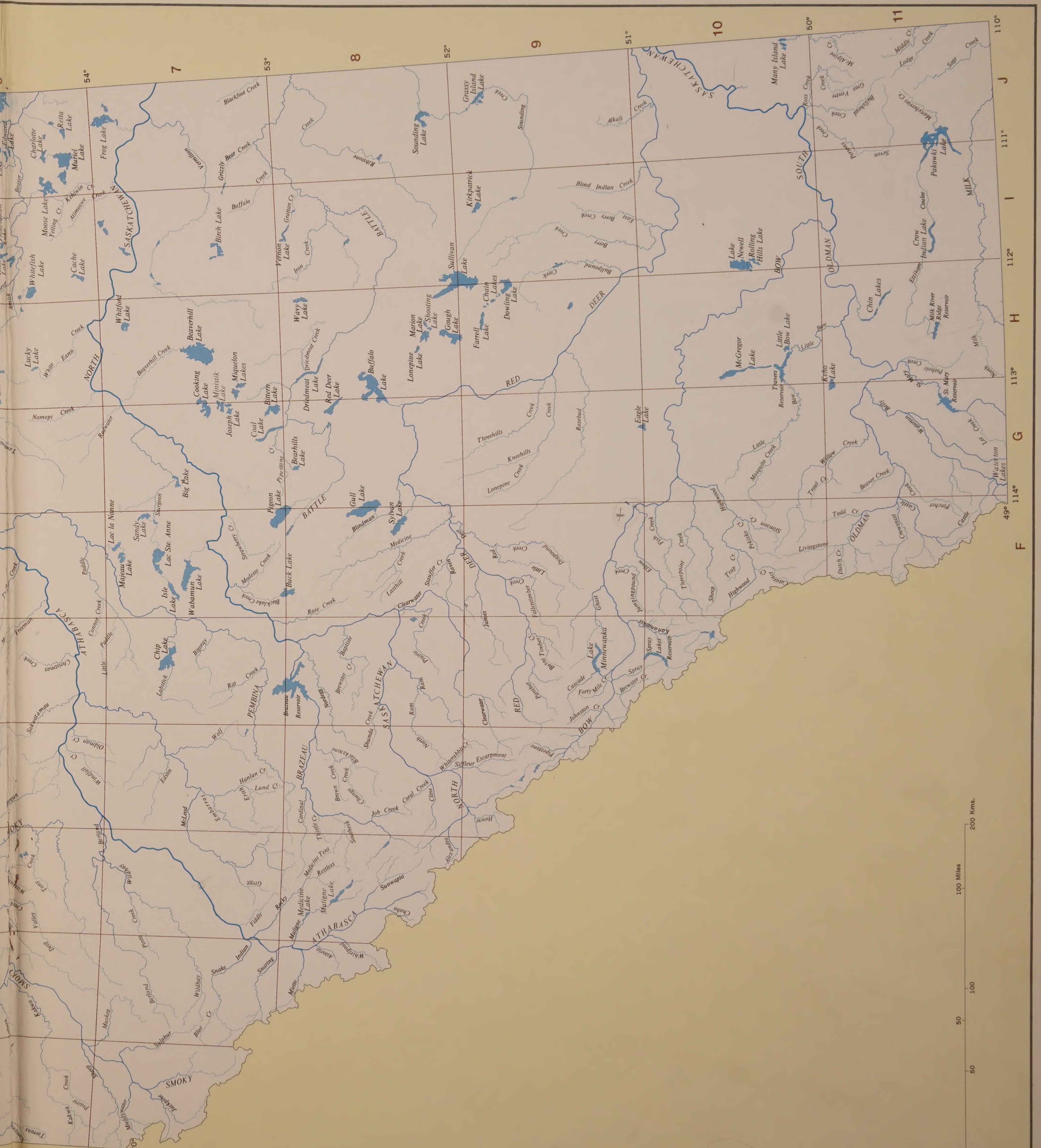
27 July 1959 (5 p.m.)


L
L
L
1024
1020
1016
1012
1008
1004
1008
59
68
59
63
73
74
70
74
74
72
71
67
67
62
63
60
65
75
59
67
69
51
67
74
94
82
83
77
81
62
58
75
83
91

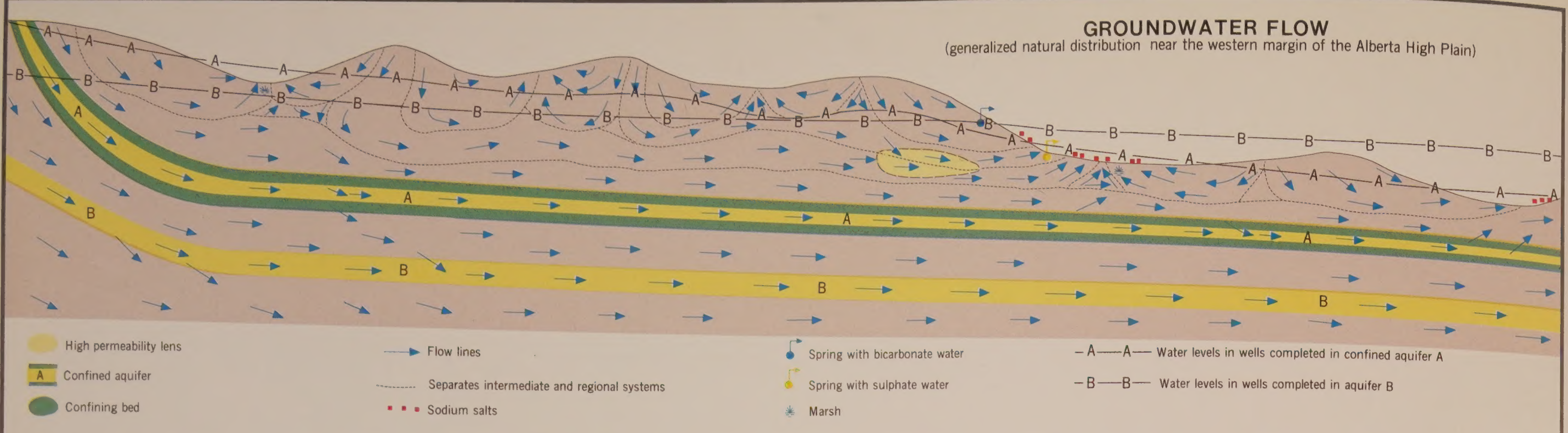
500 mb contour map (approx. 18,000 ft.) 27 July 1959 (5 p.m.)


18,400 ft.
18,800 ft.
18,400 ft.
18,800 ft.
19,000 ft.
19,000 ft.
19,200 ft.
L
TEMPERATURE
°F °C
14 −10
5 −15
−4 −20


60° 110°
1
59°
2
58°
3
57°
4
56°
5
55°
6
J
111°
I
112°
H
113°
G
114°
F
115°
E
116°
D
117°
C
118°
B
119°
A
120° 60°
LAKE ATHABASCA
LAKE CLAIRE
SLAVE
PEACE
WABASCA
ATHABASCA
HAY
LITTLE SMOKY
SMOKY
WAPITI
LESSER SLAVE LAKE
Andrew L.
Arch Lake
Charles Lake
Cornwall Lake
Colin Lake
Leland Lakes
Bocquene Lake
Barrow Lake
Ryan Lake
La Butte Creek
Richardson Lake
Mamawi Lake
Baril Lake
Buckton Creek
Johnson Lake
McClelland Lake
Eaglenest Lake
Gardiner Lakes
Namur Lake
Legend Lake
Gordon Lake
Shortt Lake
Birch Lake
Garson Lake
Watchusk Lake
Gregoire Lake
Christina
Cowper Lake
Bohn Lake
Winefred Lake
Christina Lake
Wiau Lake
Clyde Lake
Logan Lake
Caribou Lake
Heart Lake
Lac la Biche
Beaver Lake
Touchwood Lake
Spencer Lake
Wolf Lake
Loseman Lake
Missawawi Lake
North Buck Lake
Algar Lake
McMillan Lake
Pelican Lake
South Wabasca Lake
North Wabasca Lake
Sandy Lake
Rock Island Lake
Calling Lake
Otter Lake
Fawcett Lake
Baptiste Lake
Lawrence Lake
Mistehae Lake
Muskwa Lake
Nipisi Lake
Utikuma Lake
Round Lake
Long Lake
Graham Lake
Peerless Lake
Equisetum Lake
Goodfish Lake
Bat Lake
Shoal Lake
Loon Lake
Lubicon Lake
Cadotte Lake
Otter Lakes
Haig Lake
Sawn Lake
Russell Lake
Bison Lake
Talbot Lake
Wadlin Lake
Burnt Lakes
Chipewyan Lakes
Ruis Lake
Robertson Lake
Conibear Lake
Merryweather Lake
Jackfish Lakes
Wentzel Lake
Pitchimi Lake
Margaret Lake
Caribou Lake
Kimiwan Lake
Winagami Lake
Snipe Lake
Sturgeon Lake
Cardinal Lake
Thurston Lake
Beatty Lake
Bistcho Lake
Hay Lake
Zama Lake
Rainbow Lake
Bear Lake
Chinchaga
Meander
Whitemud
Hines Creek
Buffalo
Mikkwa
Loon
Heart
East Prairie
West Prairie
Swan
Sturgeon
Beaverlodge
Redwillow
Kakisa
Petitot


SASKATCHEWAN
SOUTH SASKATCHEWAN
NORTH SASKATCHEWAN
RED DEER
BATTLE
BOW
OLDMAN
MILK
ATHABASCA
SMOKY
PEMBINA
BRAZEAU
Sullivan Lake
Buffalo Lake
Pigeon Lake
Beaverhill Lake
Gull Lake
Sylvan Lake
Lake Newell
McGregor Lake
Pakowki Lake
Many Island Lake
Lake Minnewanka
Brazeau Reservoir
Chip Lake
Wabamun Lake
Lac Ste. Anne
Lac la Nonne
St. Mary Reservoir
Waterton Lakes
Travers Reservoir
Little Bow Lake
Chin Lakes
Crow Indian Lake
Milk River Ridge Reservoir
Maligne Lake
Medicine Lake
Spray Lakes Reservoir
0 50 100 Miles
0 50 100 200 Kms.
54°
53°
52°
51°
50°
49°
110°
111°
112°
113°
114°
120°
7
8
9
10
11
F
G
H
I
J

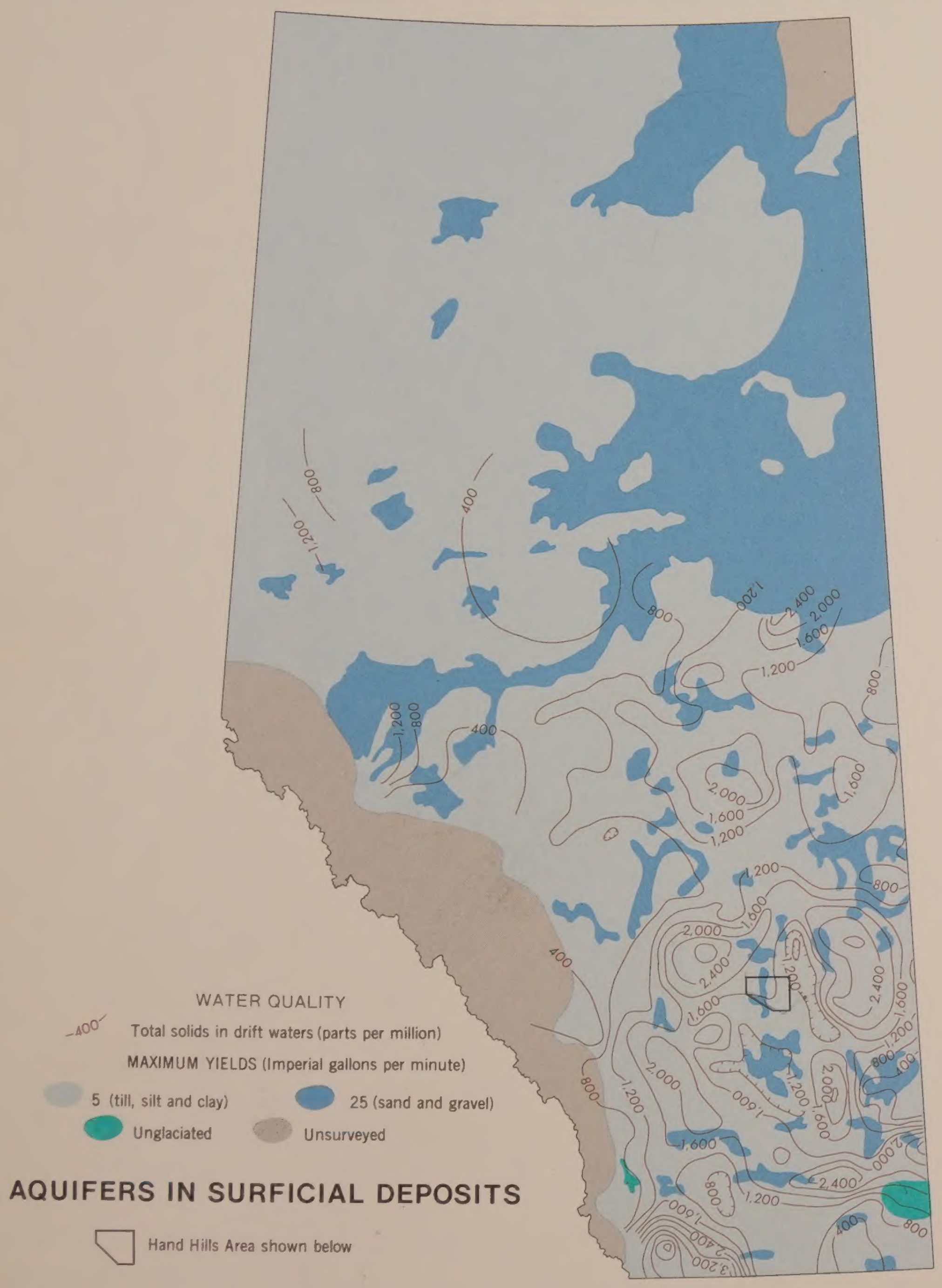
GROUNDWATER



GROUNDWATER FLOW

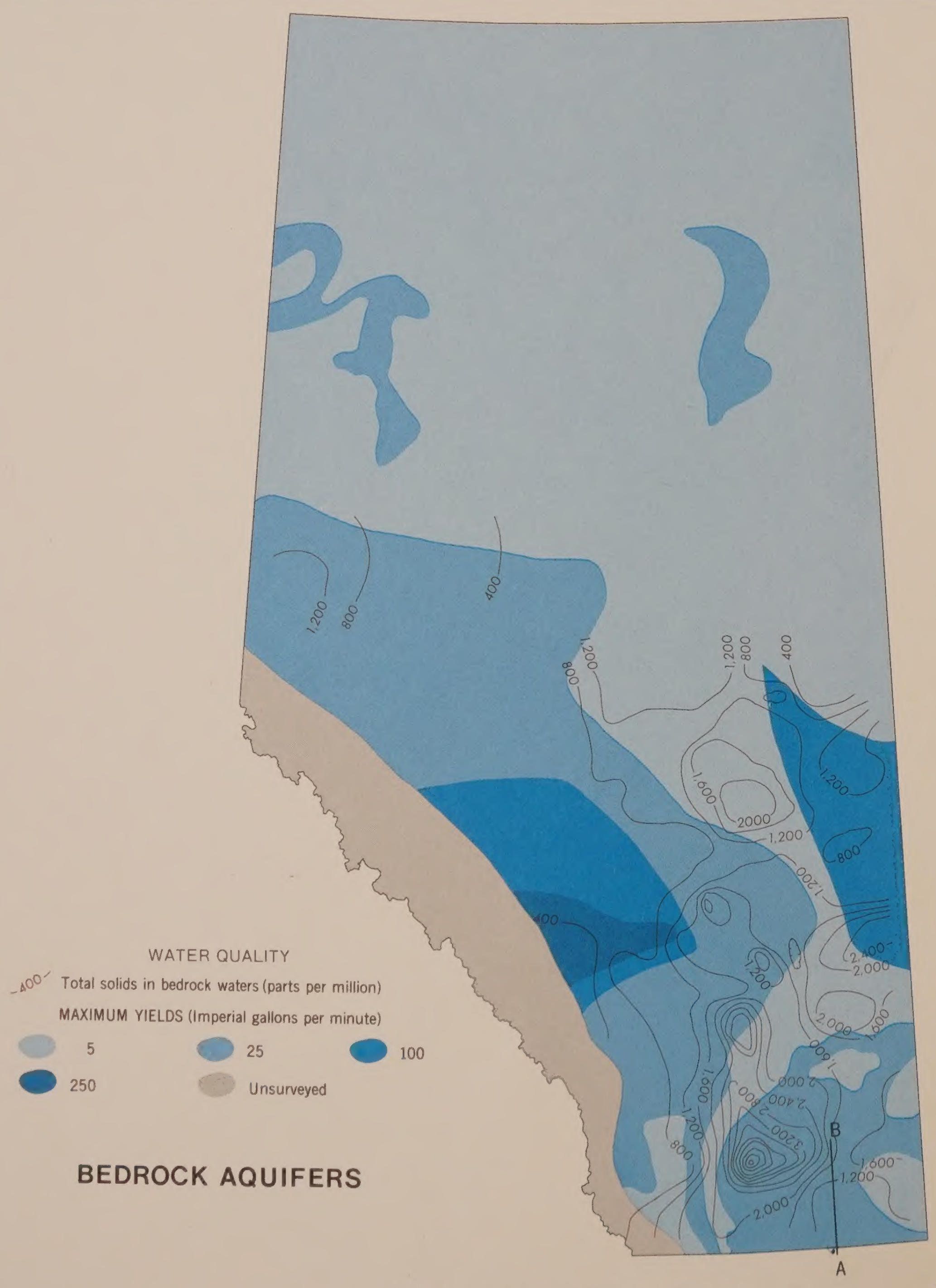
(generalized natural distribution near the western margin of the Alberta High Plain)

A
B
High permeability lens
Confined aquifer
Confining bed
Flow lines
Separates intermediate and regional systems
Sodium salts
Spring with bicarbonate water
Spring with sulphate water
Marsh
– A—A— Water levels in wells completed in confined aquifer A
– B—B— Water levels in wells completed in aquifer B



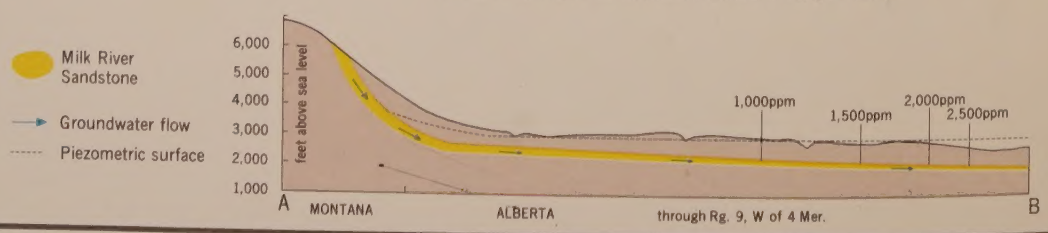
AQUIFERS IN SURFICIAL DEPOSITS

WATER QUALITY
400 Total solids in drift waters (parts per million)
MAXIMUM YIELDS (Imperial gallons per minute)
5 (till, silt and clay)
25 (sand and gravel)
Unglaciated
Unsurveyed
Hand Hills Area shown below
400
800
1,200
1,600
2,000
2,400



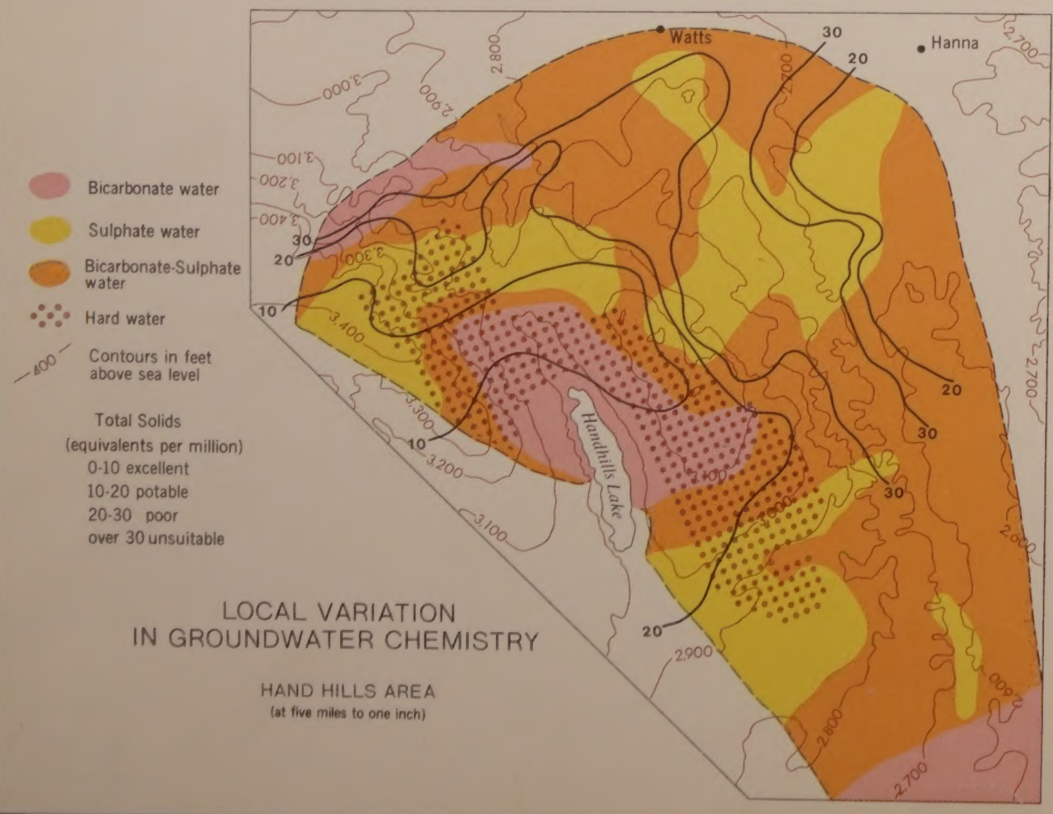
BEDROCK AQUIFERS

WATER QUALITY
400 Total solids in bedrock waters (parts per million)
MAXIMUM YIELDS (Imperial gallons per minute)
5
25
100
250
Unsurveyed
400
800
1,200
1,600
2,000
A
B



MILK RIVER SANDSTONE AQUIFER

Milk River Sandstone
Groundwater flow
Piezometric surface
feet above sea level
6,000
5,000
4,000
3,000
2,000
1,000
1,000ppm
1,500ppm
2,000ppm
2,500ppm
A
MONTANA
ALBERTA
through Rg. 9, W of 4 Mer.
B

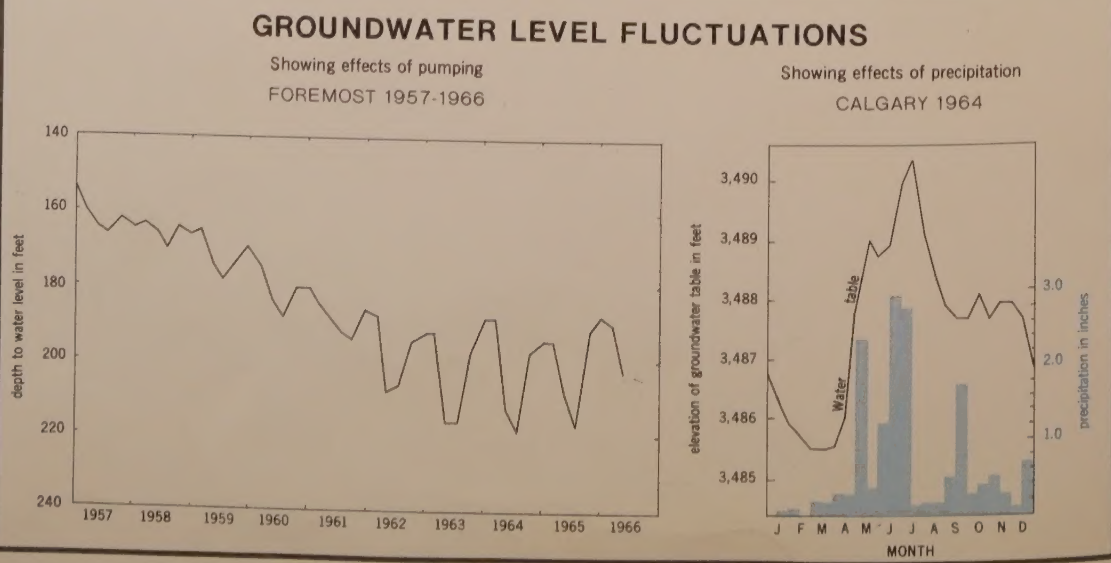


LOCAL VARIATION IN GROUNDWATER CHEMISTRY

HAND HILLS AREA

(at five miles to one inch)

Bicarbonate water
Sulphate water
Bicarbonate-Sulphate water
Hard water
400 Contours in feet above sea level
Total Solids
(equivalents per million)
0-10 excellent
10-20 potable
20-30 poor
over 30 unsuitable
Watts
Hanna
Handhills Lake
10
20
30
2,700
2,800
2,900
3,000
3,100
3,200
3,300
3,400



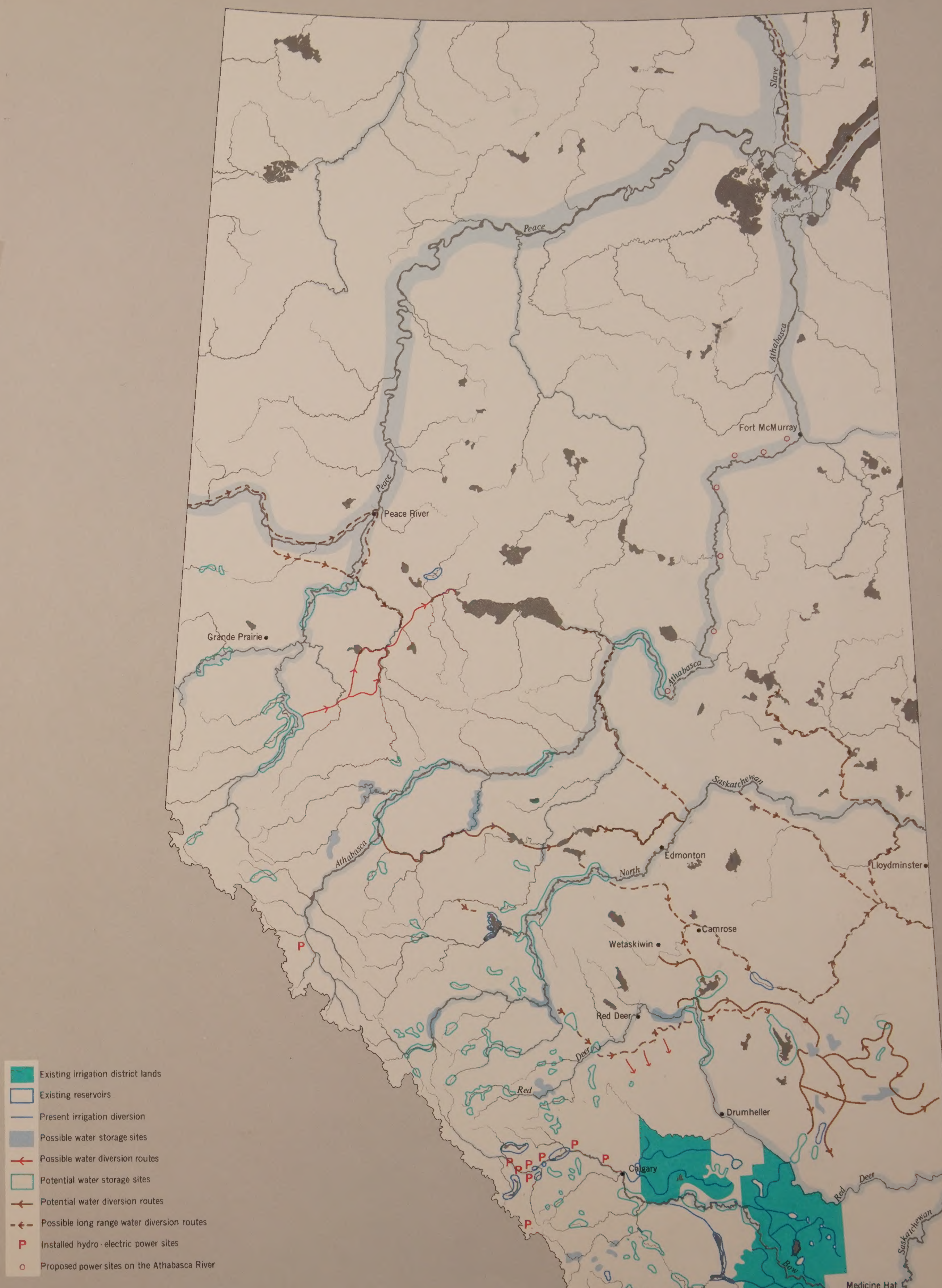
GROUNDWATER LEVEL FLUCTUATIONS

Showing effects of pumping

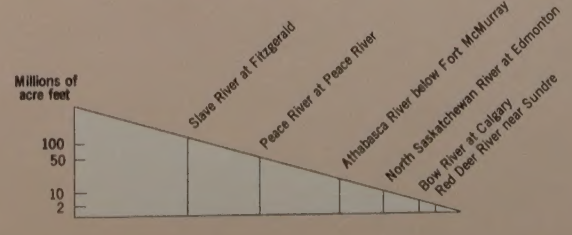
FOREMOST 1957-1966

Showing effects of precipitation

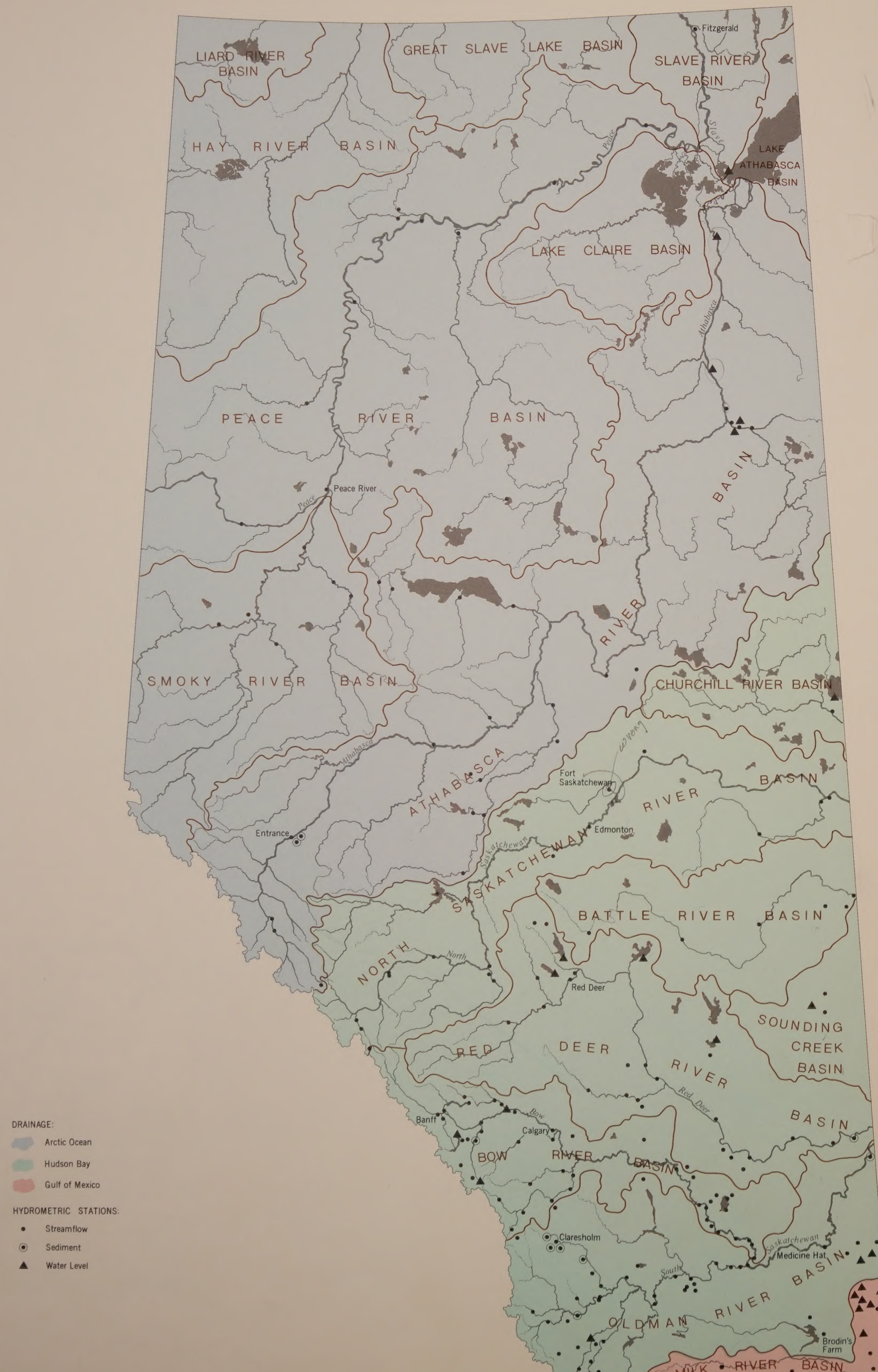
CALGARY 1964


Slave
Peace
Athabasca
Fort McMurray
Peace River
Grande Prairie
Saskatchewan
Edmonton
Lloydminster
North
Camrose
Wetaskiwin
Red Deer
Deer
Red
Drumheller
Calgary
Red
Deer
Saskatchewan
Bow
South
Medicine Hat
Oldman
Lethbridge
P
🟩 Existing irrigation district lands
☐ Existing reservoirs
— Present irrigation diversion
▨ Possible water storage sites
←— Possible water diversion routes
☐ Potential water storage sites
←— Potential water diversion routes
-←- Possible long range water diversion routes
P Installed hydro-electric power sites
○ Proposed power sites on the Athabasca River

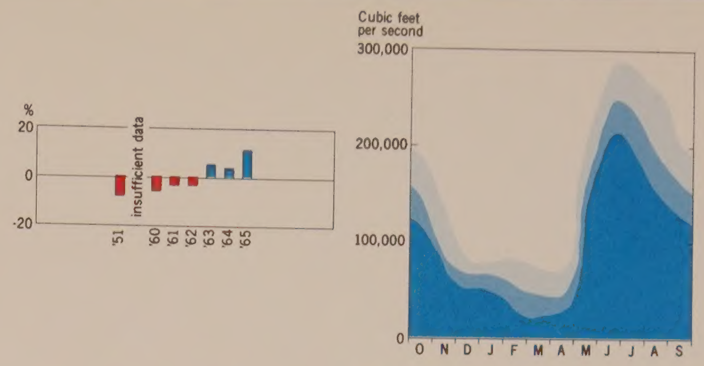
ANNUAL FLOW


Millions of acre feet
100
50
10
2
Slave River at Fitzgerald
Peace River at Peace River
Athabasca River below Fort McMurray
North Saskatchewan River at Edmonton
Bow River at Calgary
Red Deer River near Sundre

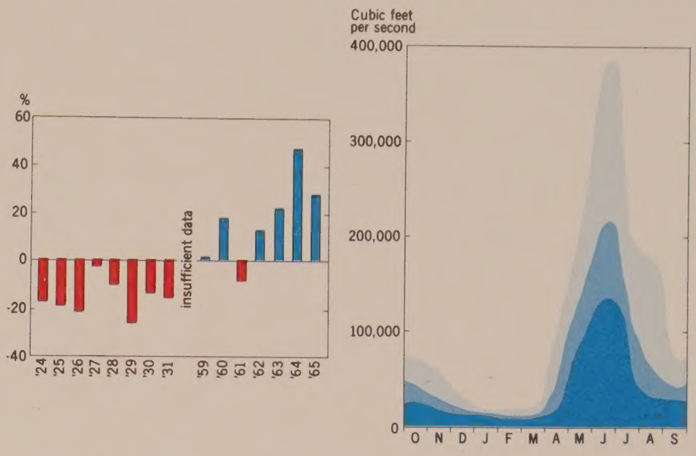
DRAINAGE BASINS AND HYDROMETRIC STATIONS


LIARD RIVER BASIN
GREAT SLAVE LAKE BASIN
Fitzgerald
SLAVE RIVER BASIN
Slave
HAY RIVER BASIN
Peace
LAKE ATHABASCA BASIN
LAKE CLAIRE BASIN
Athabasca
PEACE RIVER BASIN
Peace River
Peace
ATHABASCA RIVER BASIN
SMOKY RIVER BASIN
CHURCHILL RIVER BASIN
Beaver
Fort Saskatchewan
Athabasca
Entrance
NORTH SASKATCHEWAN RIVER BASIN
Saskatchewan
Edmonton
BATTLE RIVER BASIN
North
Red Deer
SOUNDING CREEK BASIN
RED DEER RIVER BASIN
Red Deer
Banff
Bow
Calgary
BOW RIVER BASIN
Claresholm
Saskatchewan
Medicine Hat
South
OLDMAN RIVER BASIN
Brodin's Farm
Waterton Park
MILK RIVER BASIN
DRAINAGE:
Arctic Ocean
Hudson Bay
Gulf of Mexico
HYDROMETRIC STATIONS:
● Streamflow
⦿ Sediment
▲ Water Level

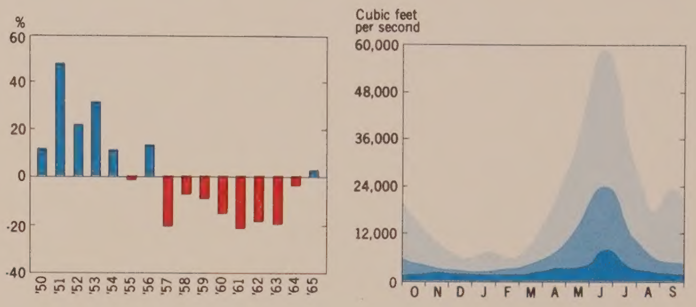
Slave River at Fitzgerald
Average yearly flow :
94,517,142 acre feet



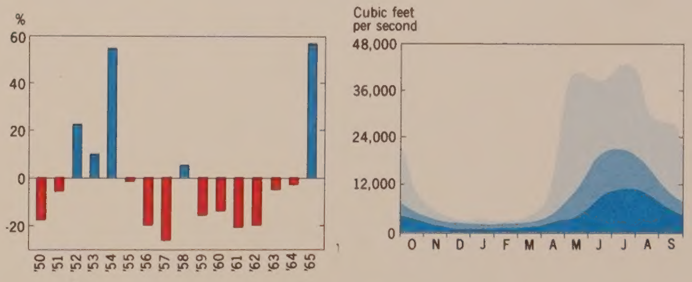
Peace River at Peace River
Average yearly flow :
45,455,333 acre feet



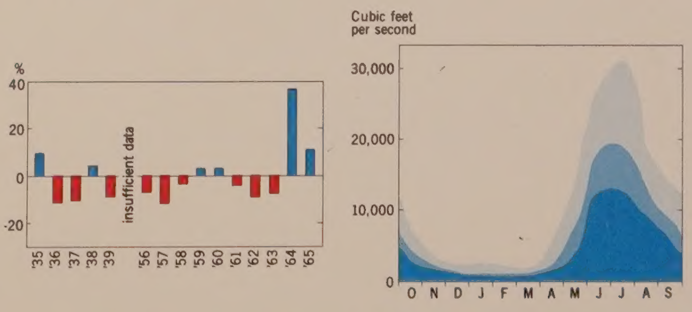
South Saskatchewan River at
Medicine Hat, Average yearly flow:
6,750,250 acre feet



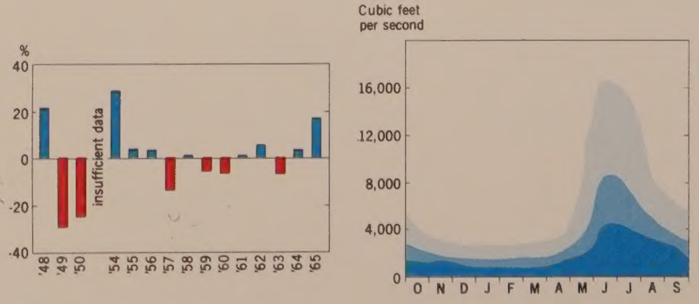
North Saskatchewan River at
Edmonton. Average yearly flow:
5,704,750 acre feet



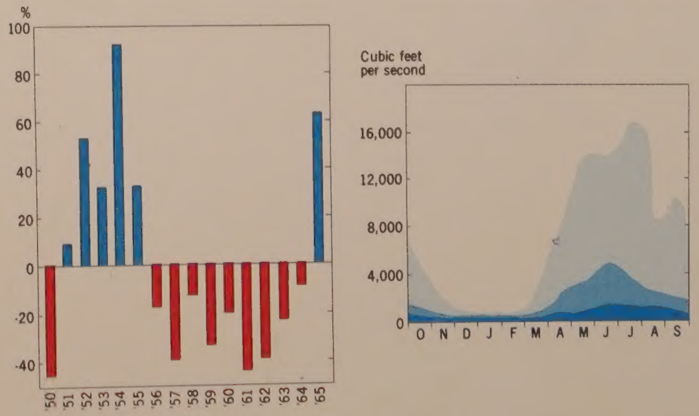
Athabasca River at Entrance
Average yearly flow:
4,714,533 acre feet



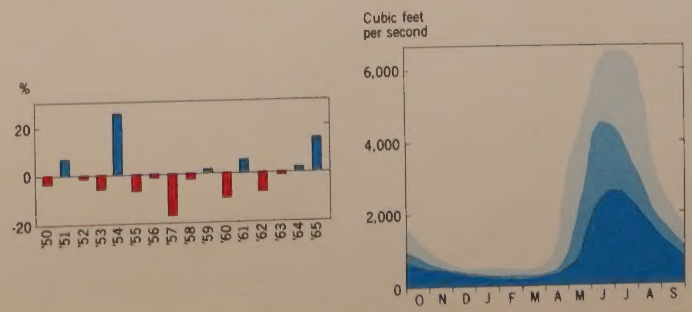
Bow River at Calgary
Average yearly flow:
2,381,666 acre feet



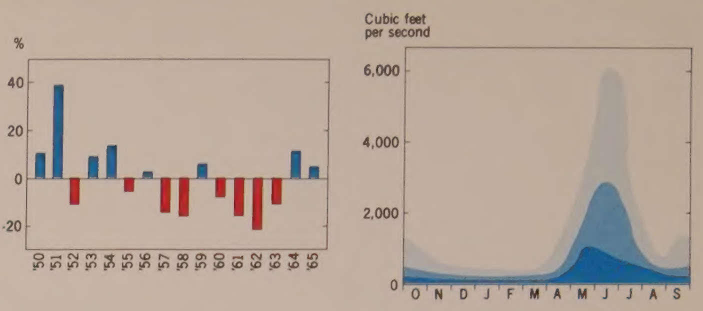
Red Deer River at Red Deer
Average yearly flow:
1,252,263 acre feet



Bow River at Banff
Average yearly flow:
1,042,713 acre feet



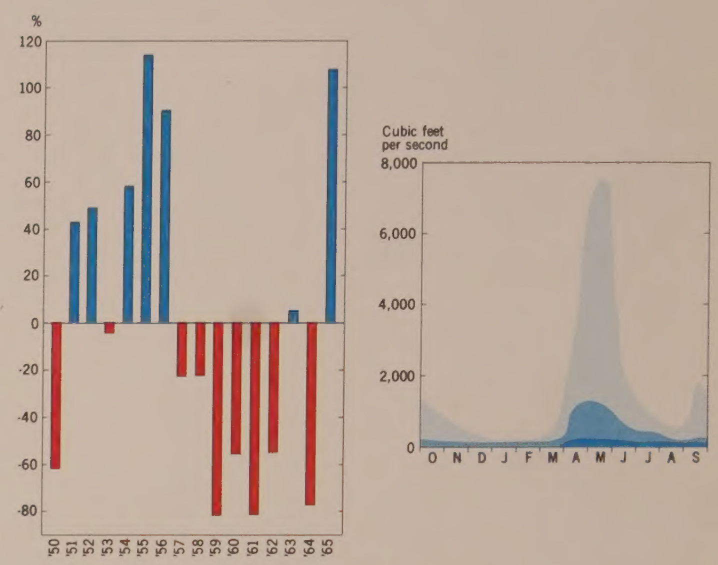
Waterton River near Waterton Park
Average yearly flow:
505,881 acre feet



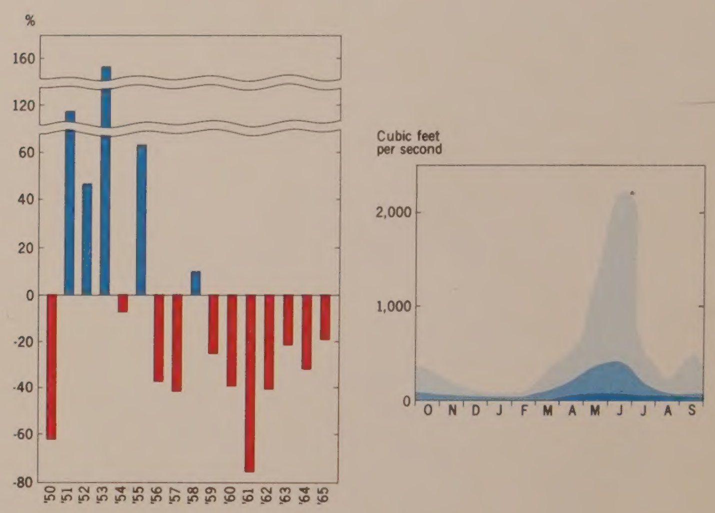
Volume of flow:

- ▢ Highest monthly
- ▨ Average monthly
- ■ Lowest monthly

Battle River near ~~Unwin~~
Average yearly flow:
229,288 acre feet

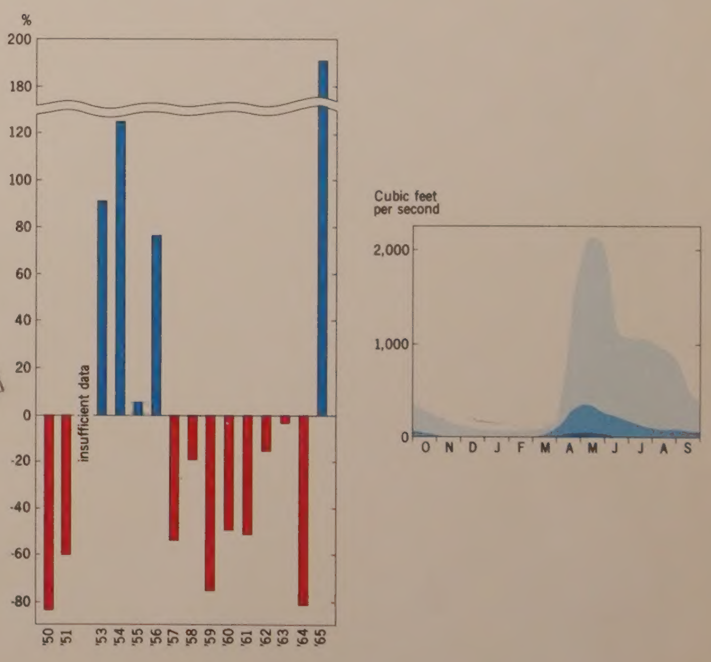


Willow Creek near Claresholm
Average yearly flow:
93,591 acre feet

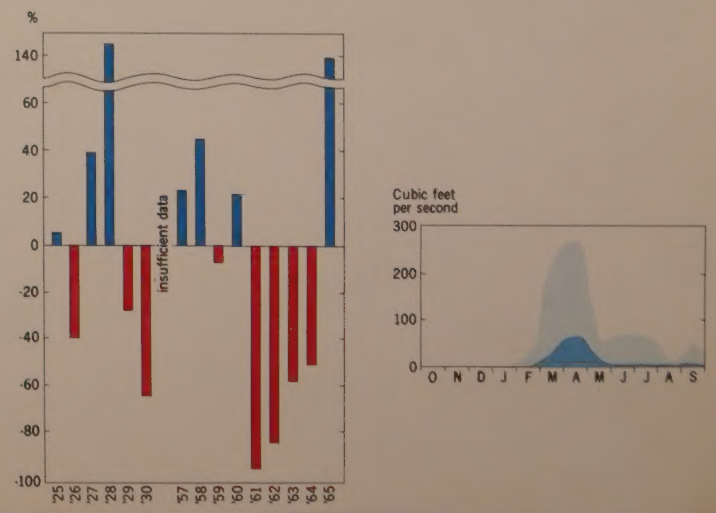


Sturgeon River at Fort Saskatchewan
Average yearly flow:
72,406 acre feet

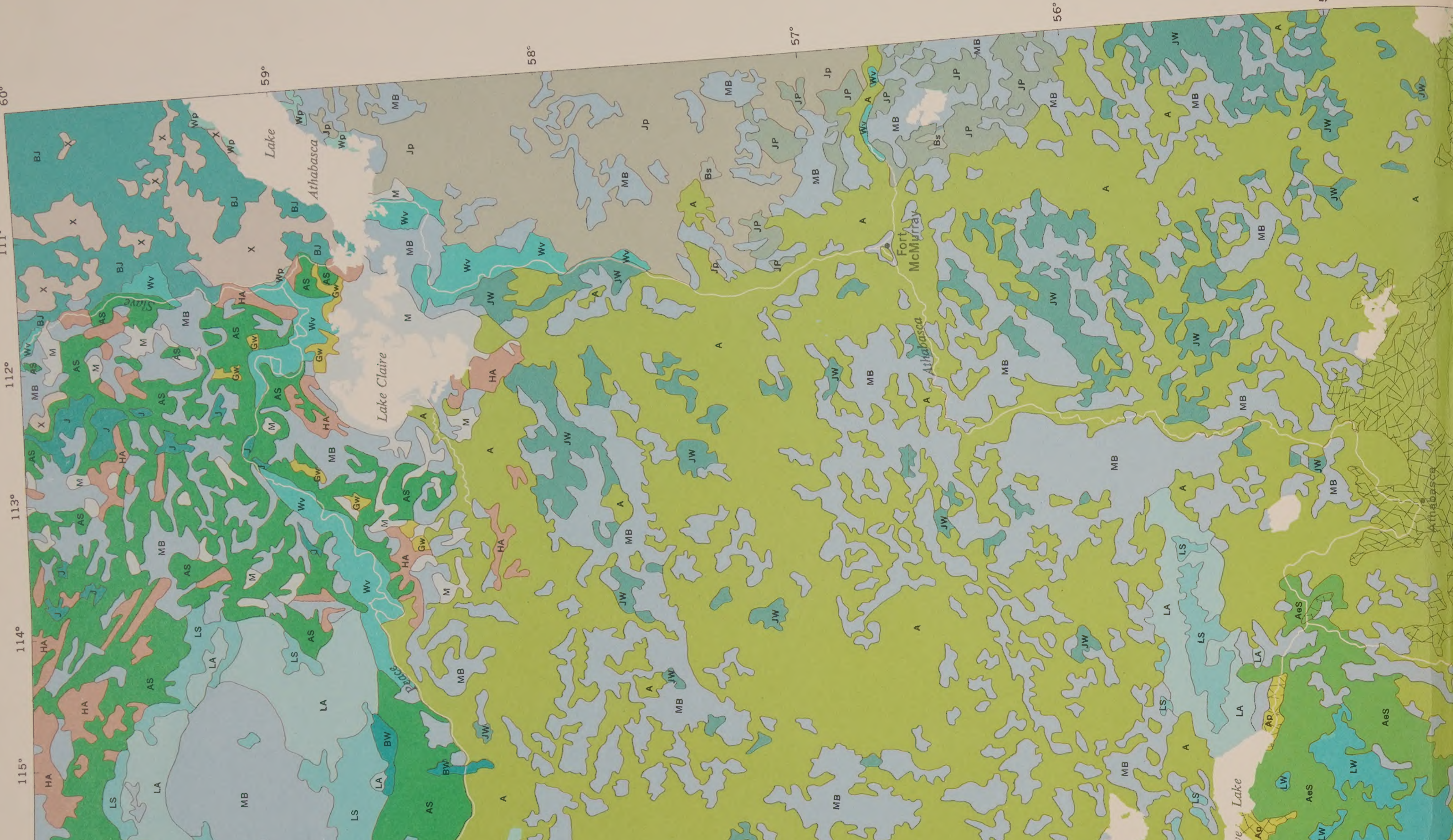
Probably mean Gibbons



Manyberries Creek at Brodin's Farm
Average yearly flow:
7,338 acre feet



VEGETATION, 1965


Lake Athabasca
Lake Claire
Slave
Fort McMurray
Athabasca
Peace
Ft. Vermilion
Lesser Slave Lake
Peace River
Grande Prairie
Hay
Bistcho Lake
60°
59°
58°
57°
56°
55°
110°
111°
112°
113°
114°
115°
116°
117°
118°
119°
120°
AS
MB
BW
LS
LA
HA
A
AeS
Ap
Gw
Wv
Wp
BJ
JW
JP
Jp
LW
WB
M
X
J
Bs

DOMINANT PLANT SPECIES

ASPEN POPLAR
Populus tremuloides

BLACK SPRUCE
Picea mariana

ENGELMANN SPRUCE
Picea engelmannii

JACKPINE
Pinus banksiana

LODGEPOLE PINE
Pinus contorta var latifolia

WHITE BIRCH
Betula papyrifera

WHITE SPRUCE
Picea glauca

WILLOW
Salix spp.

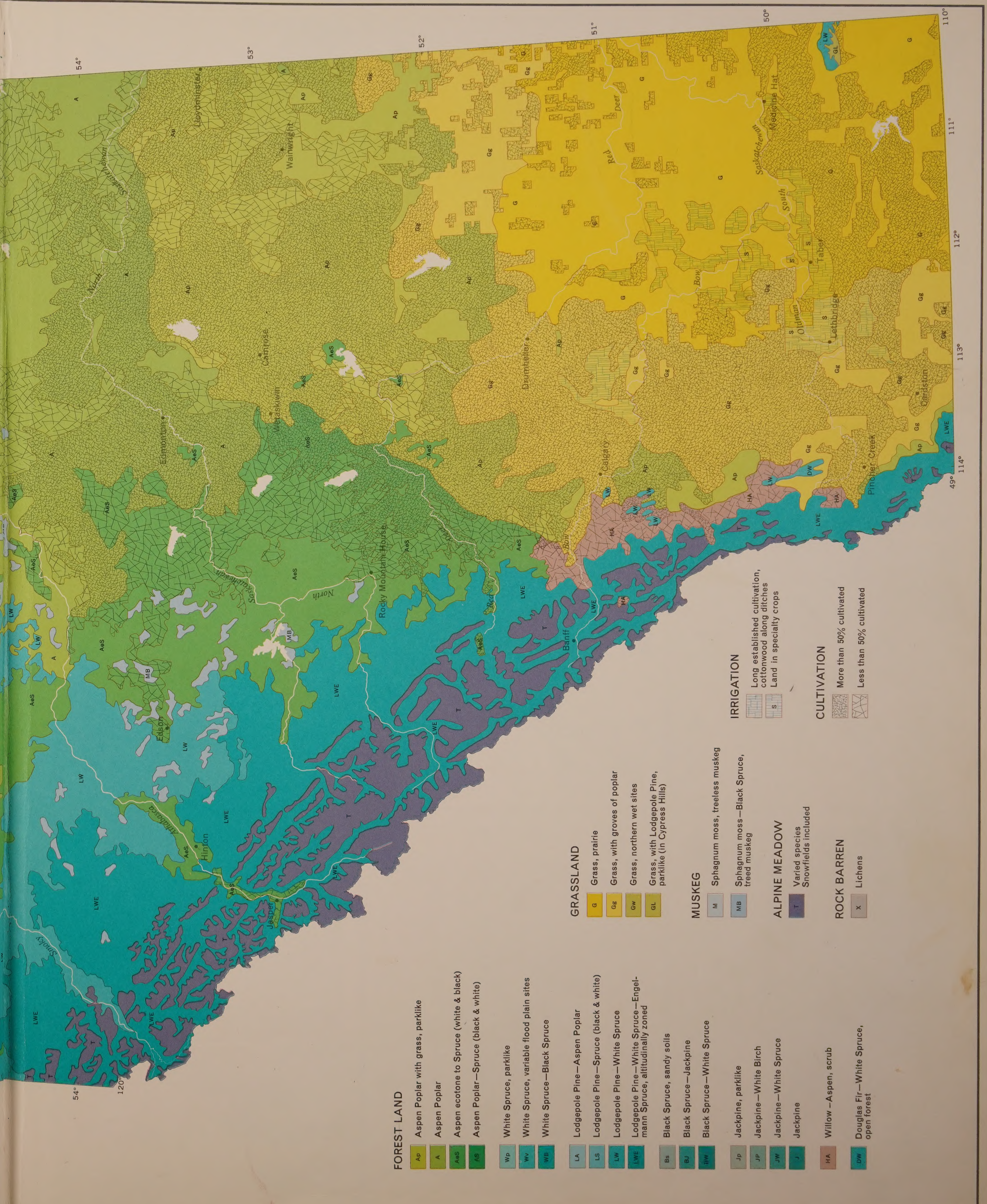
GRASS WITH ASPEN
Festuca scabrella
Stipa spartea
Agropyron spp.

GRASS WITH LODGEPOLE
Festuca spp.
Agropyron spp.

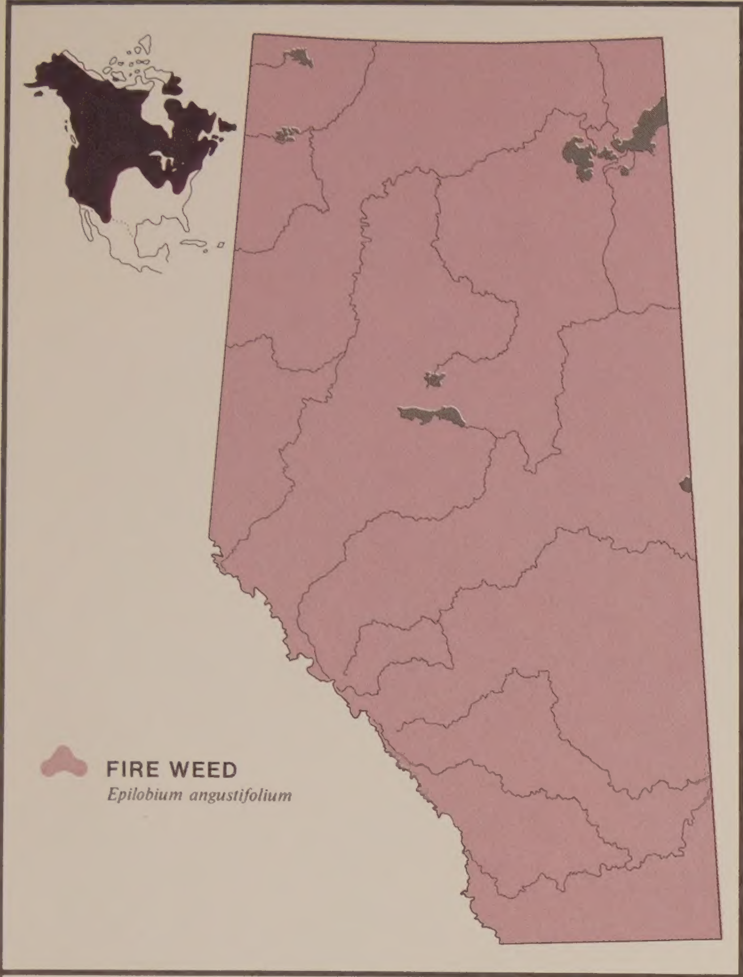
GRASS IN NORTHERN AREAS
Calamagrostis canadensis
Deschampsia caespitosa
Carex spp.
Poa spp.

GRASS IN PRAIRIES
Foothills: *Festuca—Danthonia*
SE and SC: *Bouteloua—Stipa*
Moist sites: *Stipa—Agropyron*

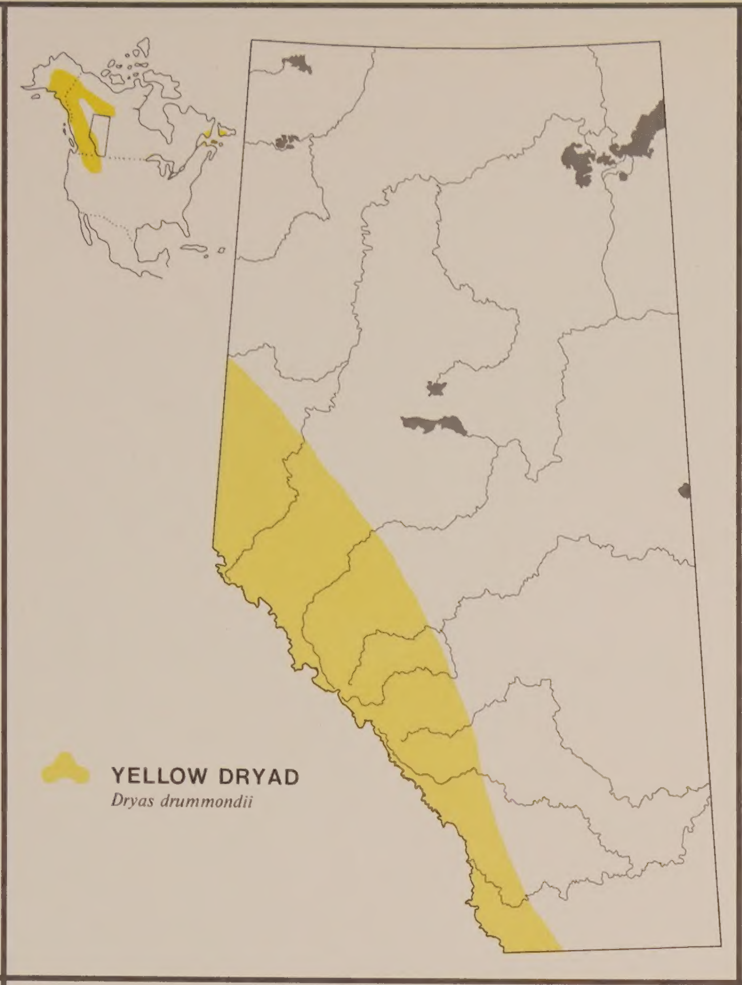
SPHAGNUM MOSS
Sphagnum spp.


FOREST LAND
Ap Aspen Poplar with grass, parklike
A Aspen Poplar
AeS Aspen ecotone to Spruce (white & black)
AS Aspen Poplar—Spruce (black & white)
Wp White Spruce, parklike
Wv White Spruce, variable flood plain sites
WB White Spruce—Black Spruce
LA Lodgepole Pine—Aspen Poplar
LS Lodgepole Pine—Spruce (black & white)
LW Lodgepole Pine—White Spruce
LWE Lodgepole Pine—White Spruce—Engelmann Spruce, altitudinally zoned
Bs Black Spruce, sandy soils
BJ Black Spruce—Jackpine
BW Black Spruce—White Spruce
Jp Jackpine, parklike
JP Jackpine—White Birch
JW Jackpine—White Spruce
J Jackpine
HA Willow—Aspen, scrub
DW Douglas Fir—White Spruce, open forest
GRASSLAND
G Grass, prairie
Gg Grass, with groves of poplar
Gw Grass, northern wet sites
GL Grass, with Lodgepole Pine, parklike (in Cypress Hills)
MUSKEG
M Sphagnum moss, treeless muskeg
MB Sphagnum moss—Black Spruce, treed muskeg
ALPINE MEADOW
T Varied species Snowfields included
ROCK BARREN
X Lichens
IRRIGATION
Long established cultivation, cottonwood along ditches
S Land in specialty crops
CULTIVATION
More than 50% cultivated
Less than 50% cultivated
54°
53°
52°
51°
50°
49°
110°
111°
112°
113°
114°
120°
Lloydminster
Wainwright
Camrose
Wetaskiwin
Edmonton
Edson
Hinton
Jasper
Rocky Mountain House
Banff
Calgary
Drumheller
Medicine Hat
Taber
Lethbridge
Cardston
Pincher Creek
North Saskatchewan
Red Deer
Bow
South Saskatchewan
Oldman
Athabasca
Smoky

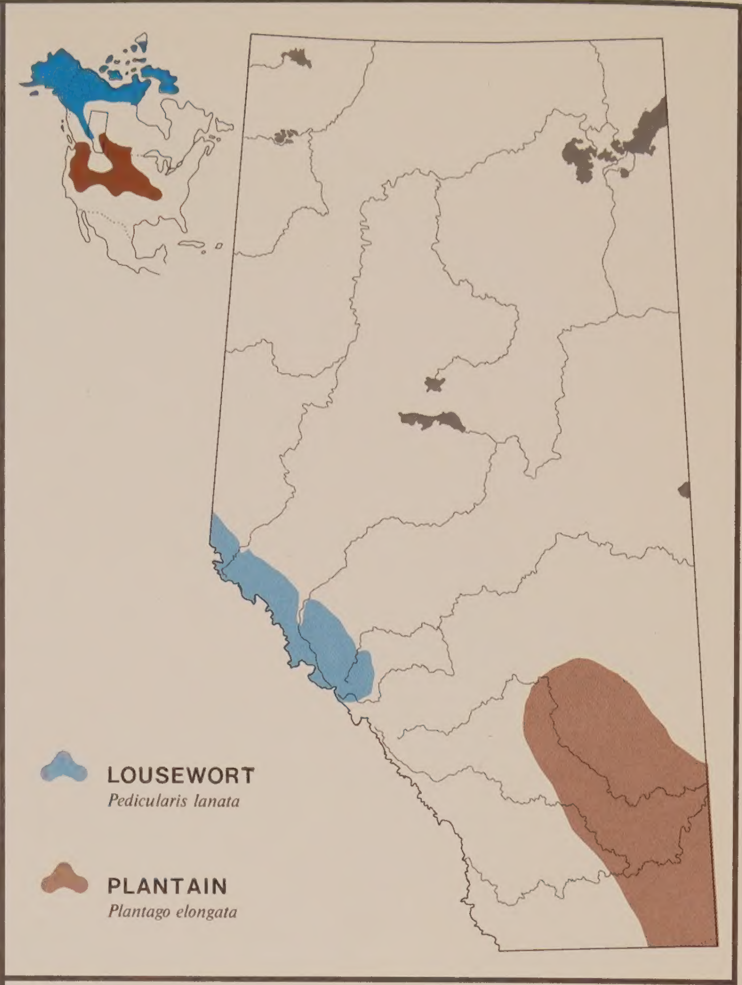
PLANT SPECIES



● **FIRE WEED**
Epilobium angustifolium

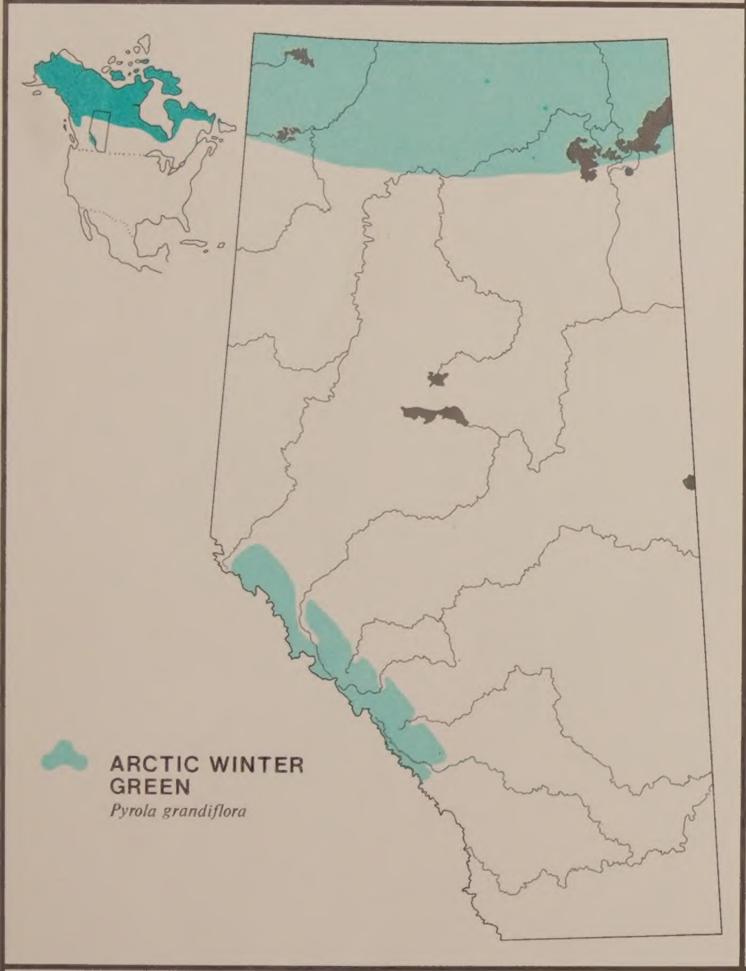


● **YELLOW DRYAD**
Dryas drummondii

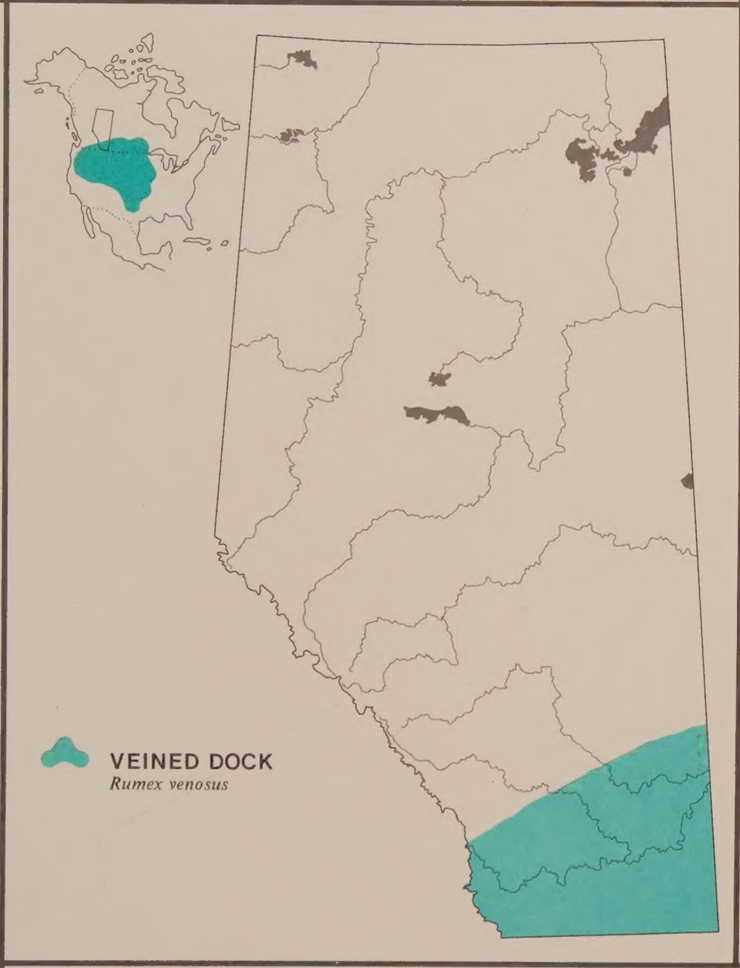


● **LOUSEWORT**
Pedicularis lanata

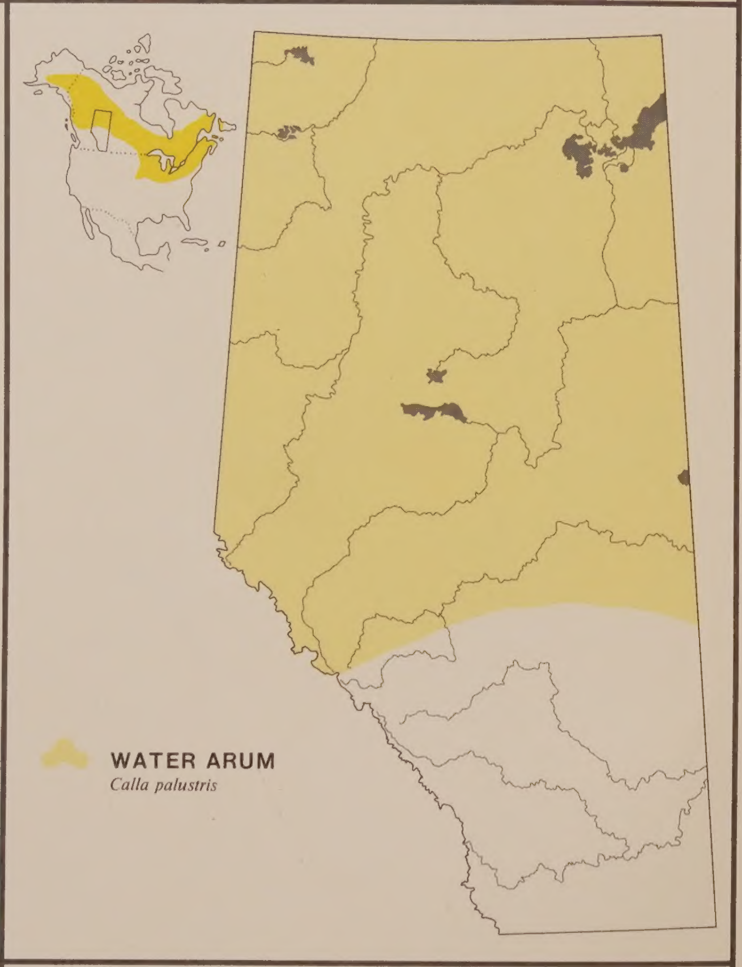
● **PLANTAIN**
Plantago elongata



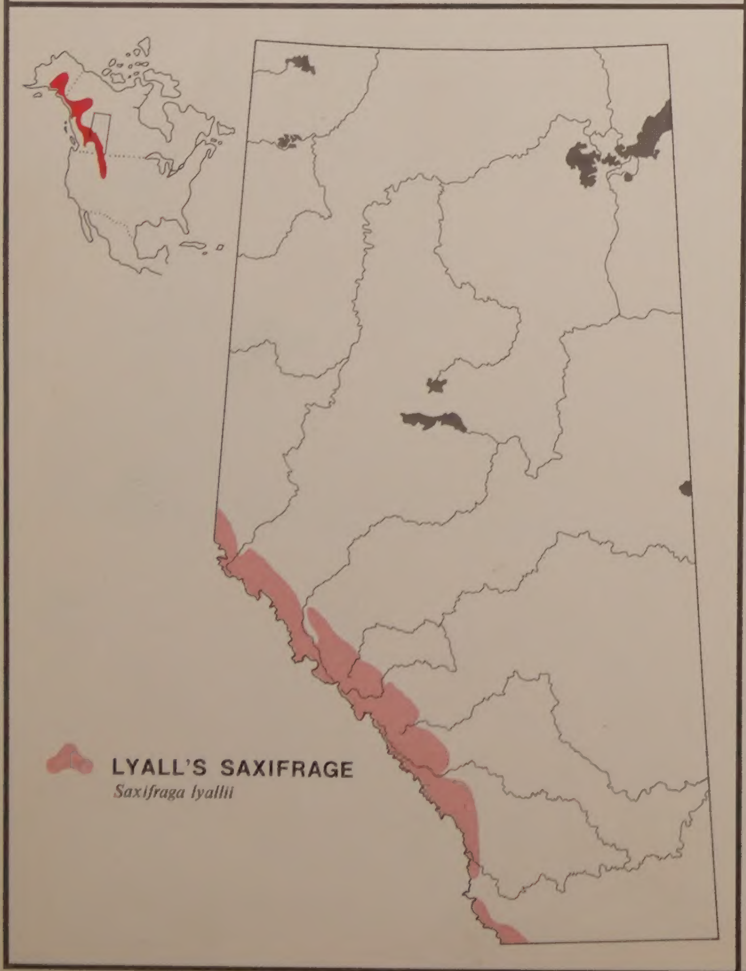
● **ARCTIC WINTER GREEN**
Pyrola grandiflora



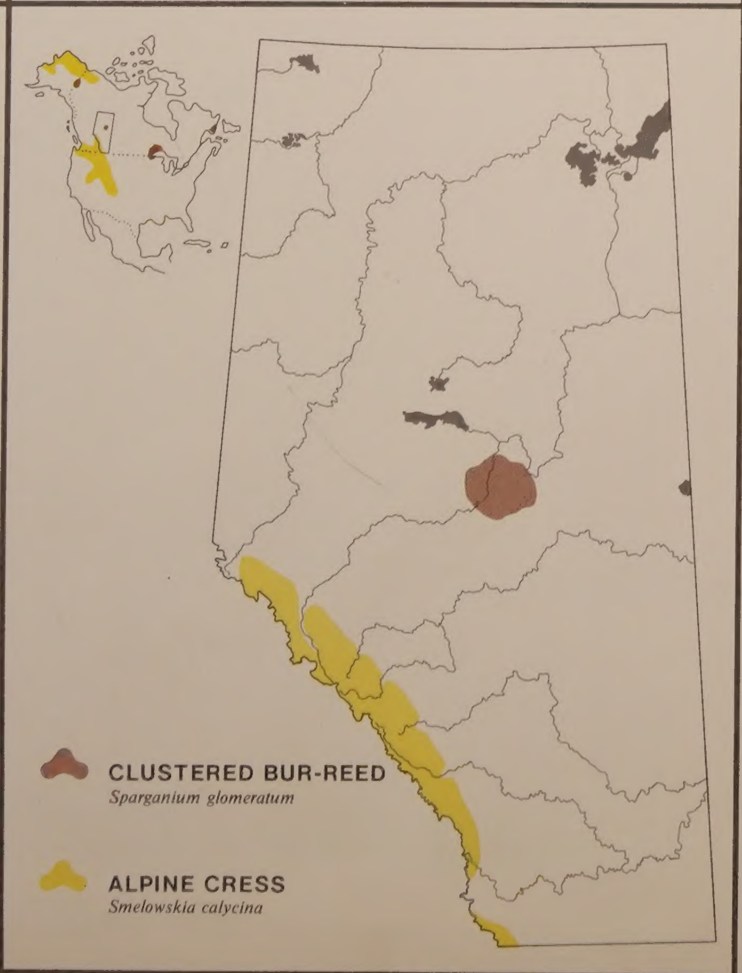
● **VEINED DOCK**
Rumex venosus



● **WATER ARUM**
Calla palustris

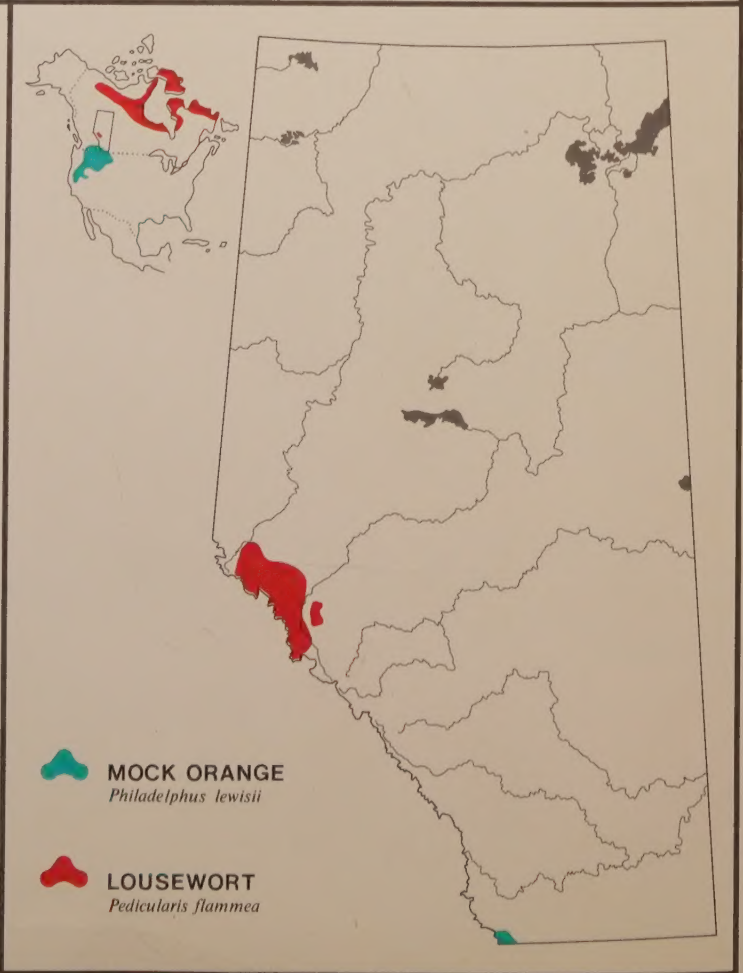


● **LYALL'S SAXIFRAGE**
Saxifraga lyallii



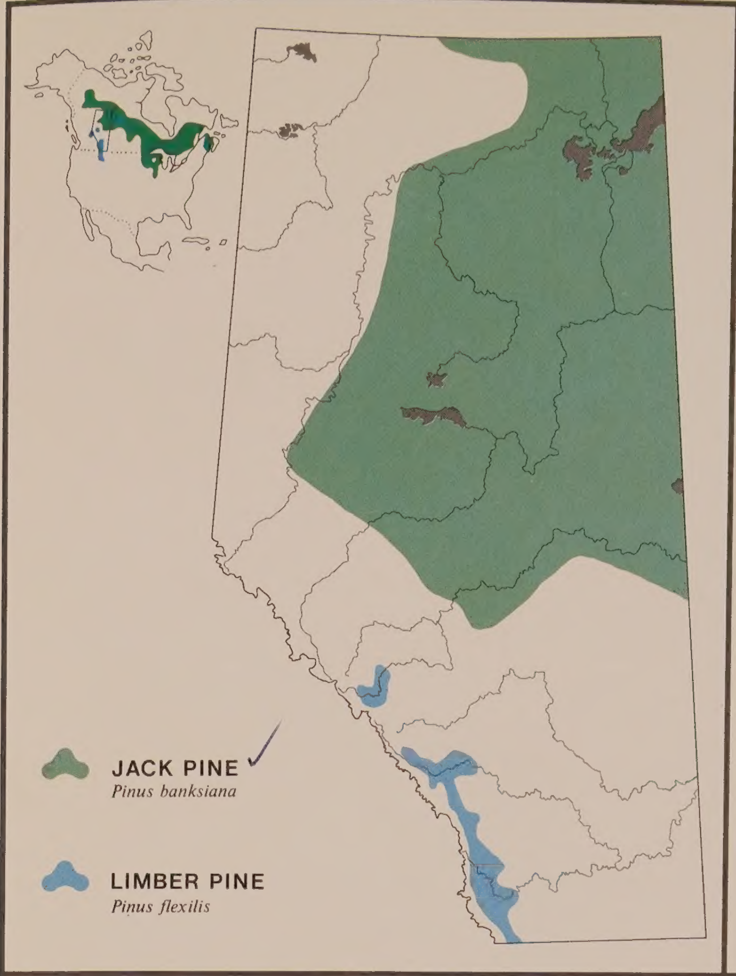
● **CLUSTERED BUR-REED**
Sparganium glomeratum

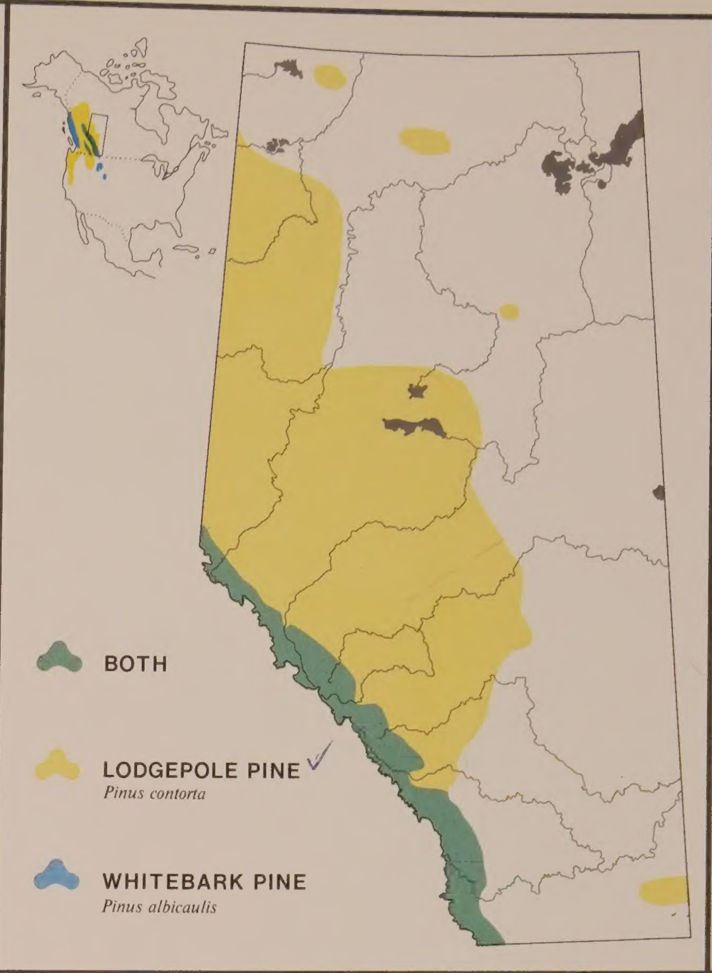
● **ALPINE CRESS**
Smelowskia calycina

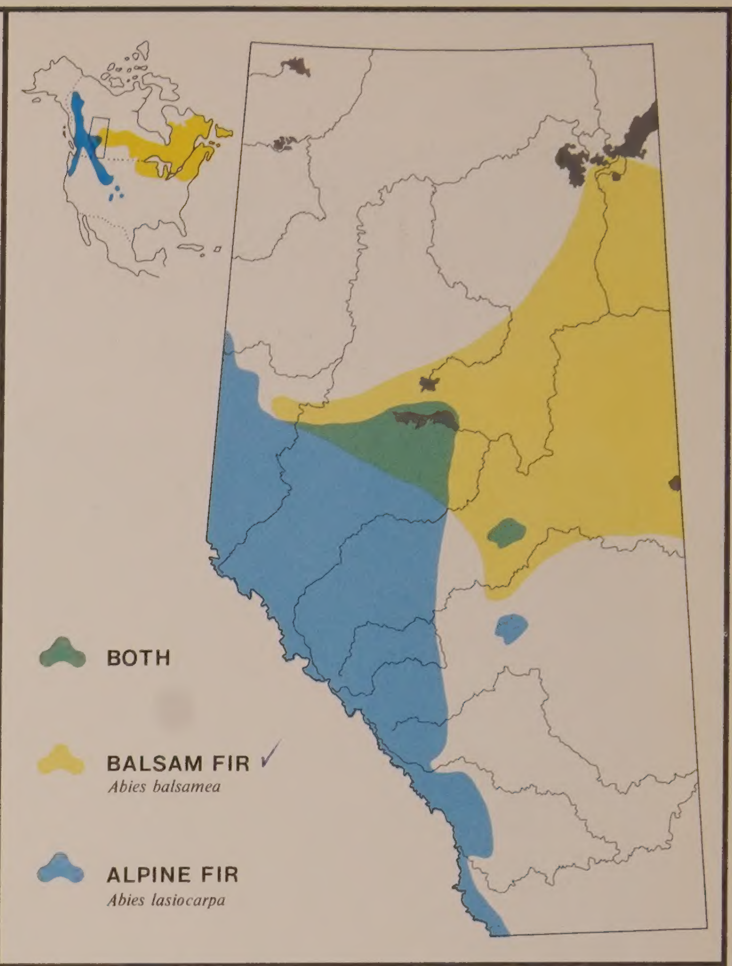


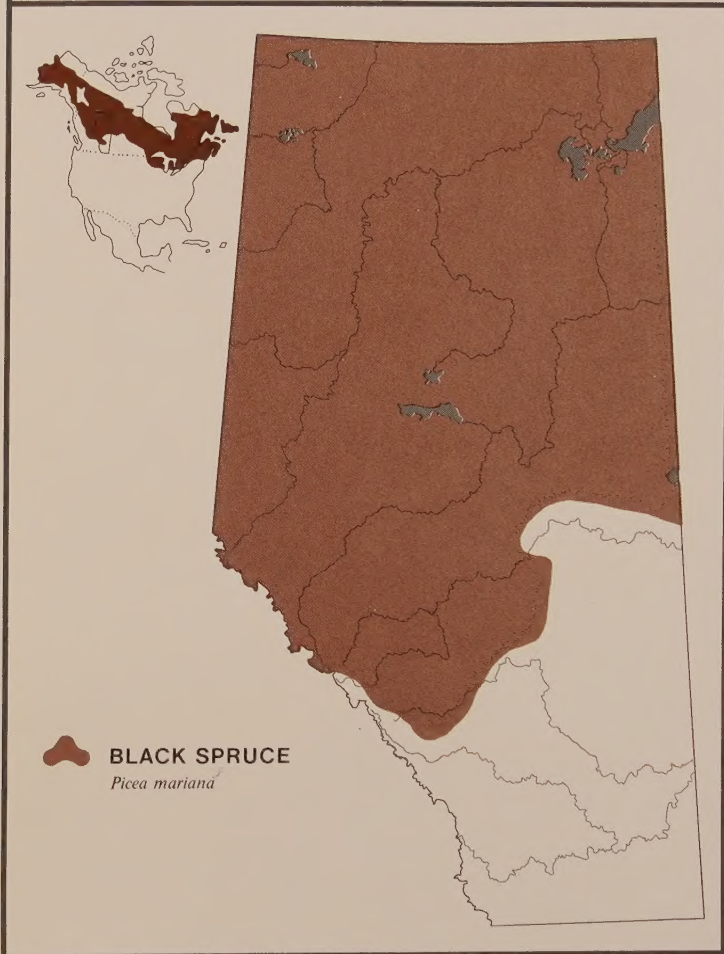
● **MOCK ORANGE**
Philadelphus lewisii

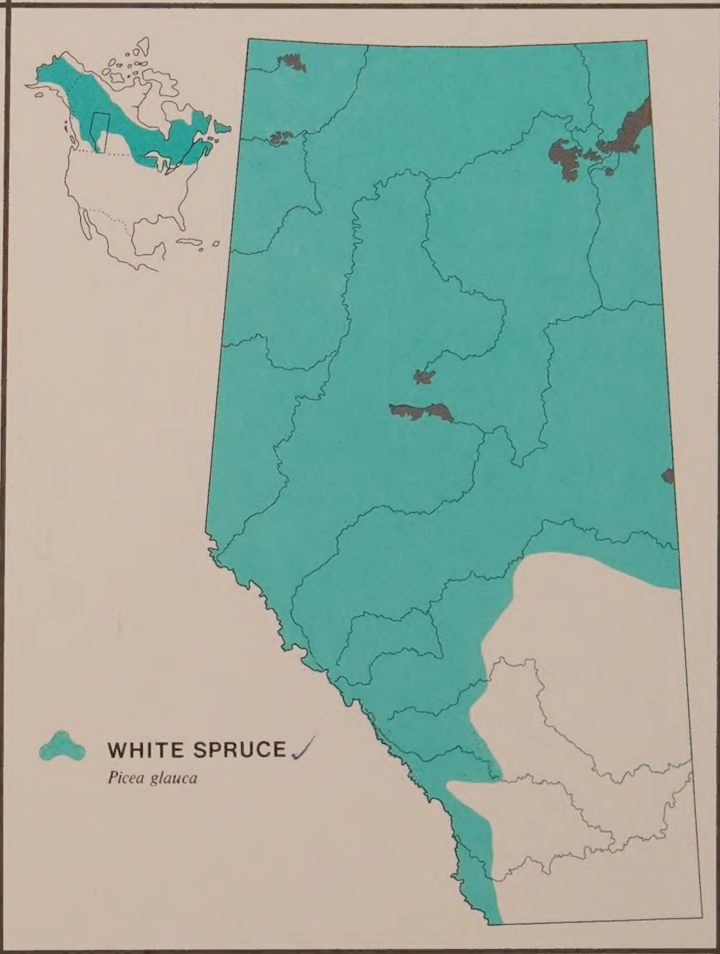
● **LOUSEWORT**
Pedicularis flammea

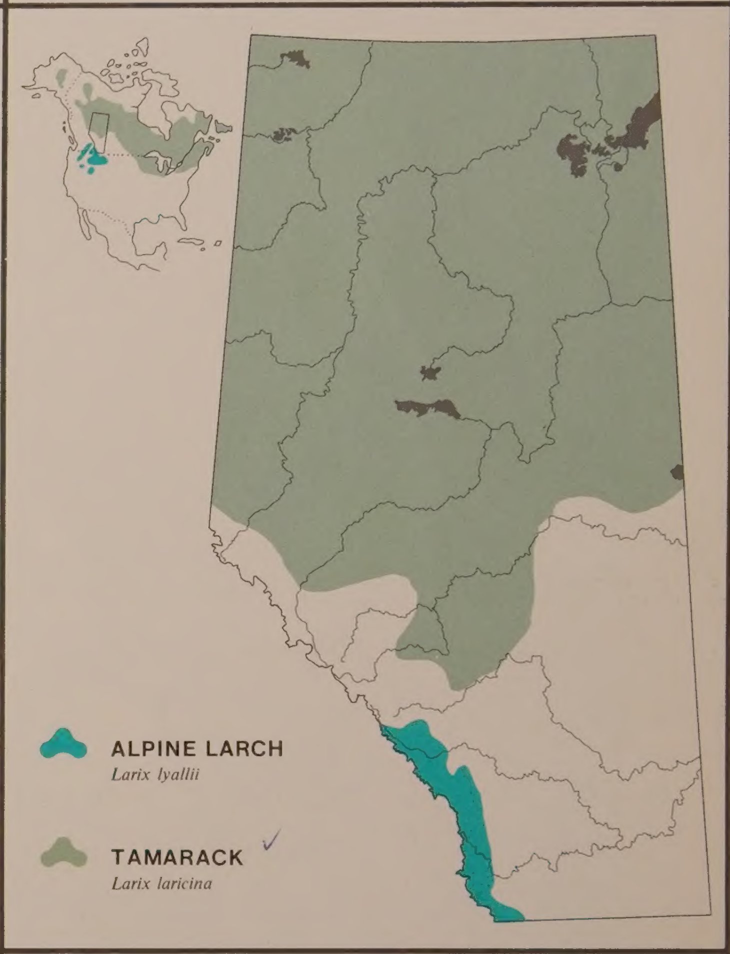

JACK PINE ✓
Pinus banksiana
LIMBER PINE
Pinus flexilis

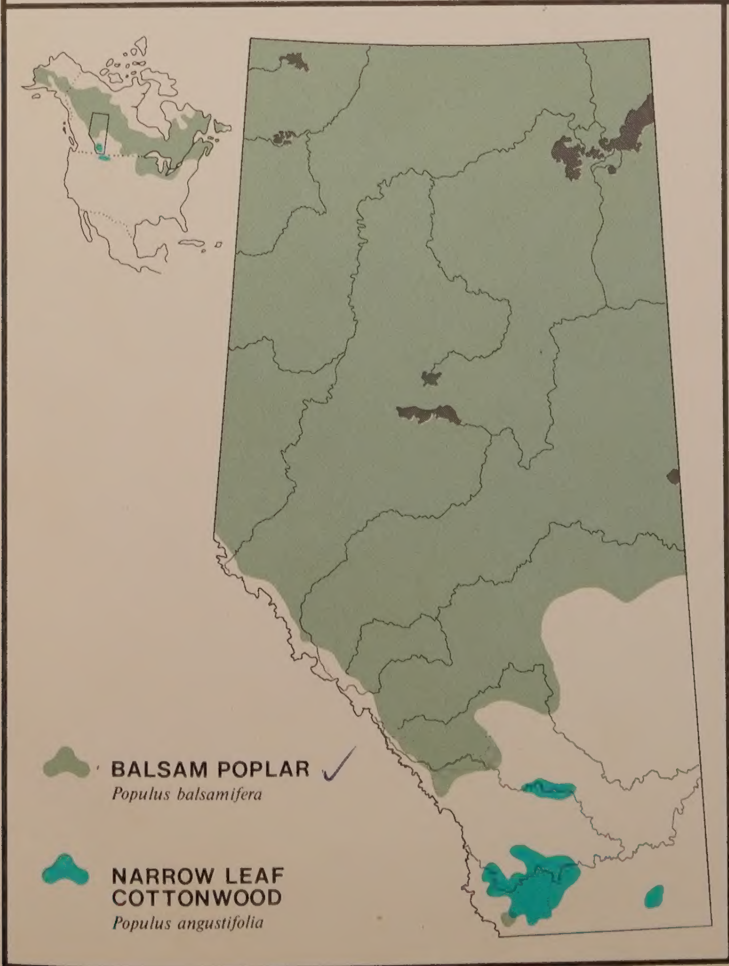

BOTH
LODGEPOLE PINE ✓
Pinus contorta
WHITEBARK PINE
Pinus albicaulis

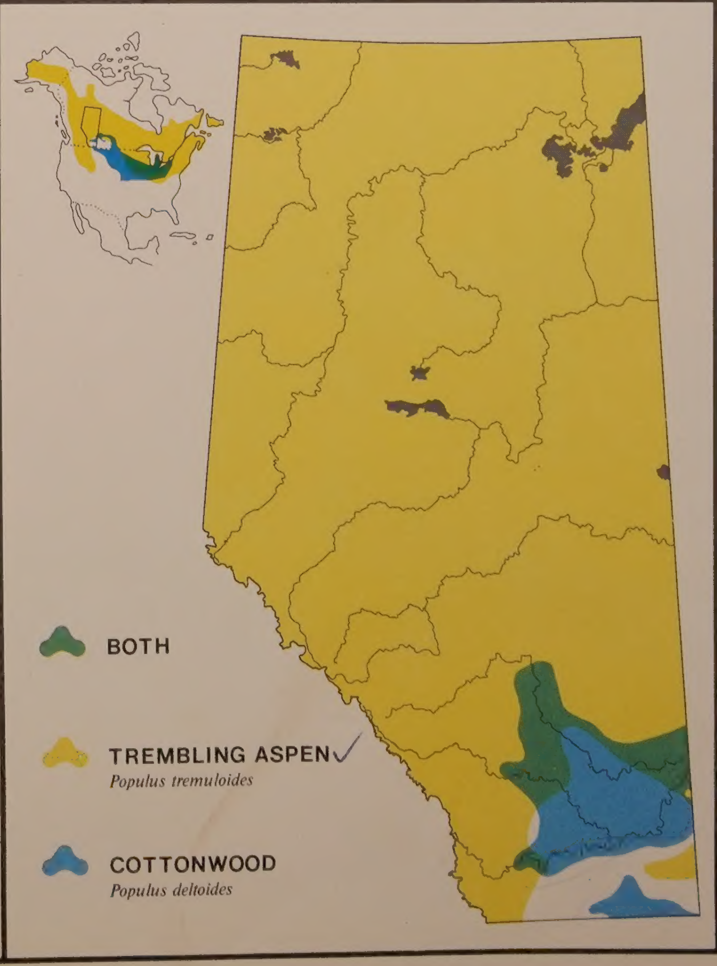

BOTH
BALSAM FIR ✓
Abies balsamea
ALPINE FIR
Abies lasiocarpa

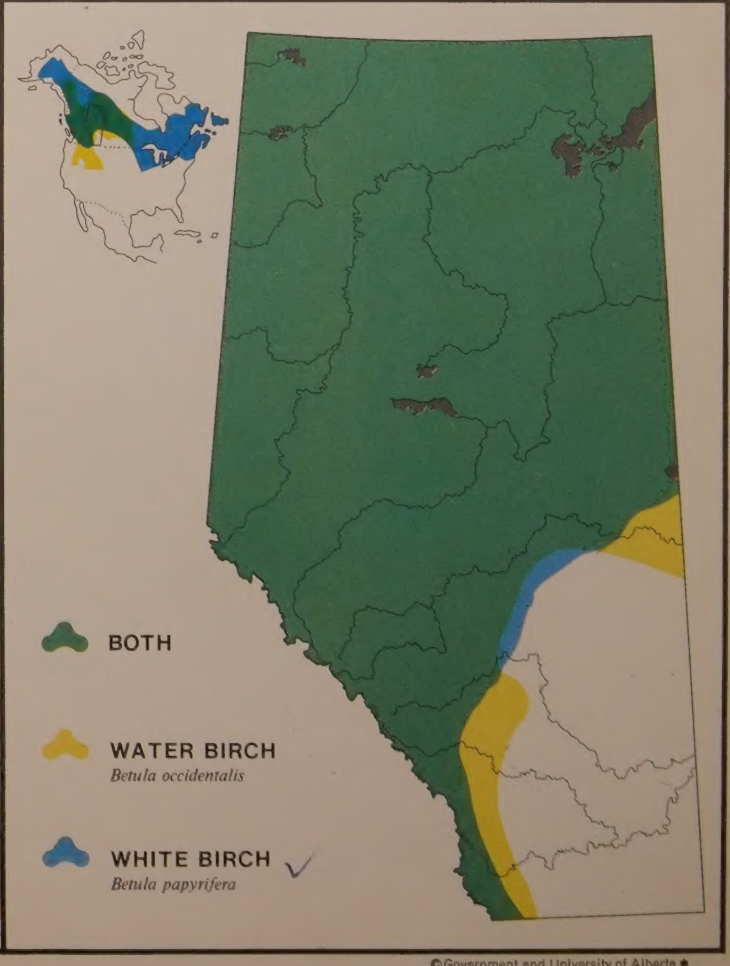

BLACK SPRUCE
Picea mariana

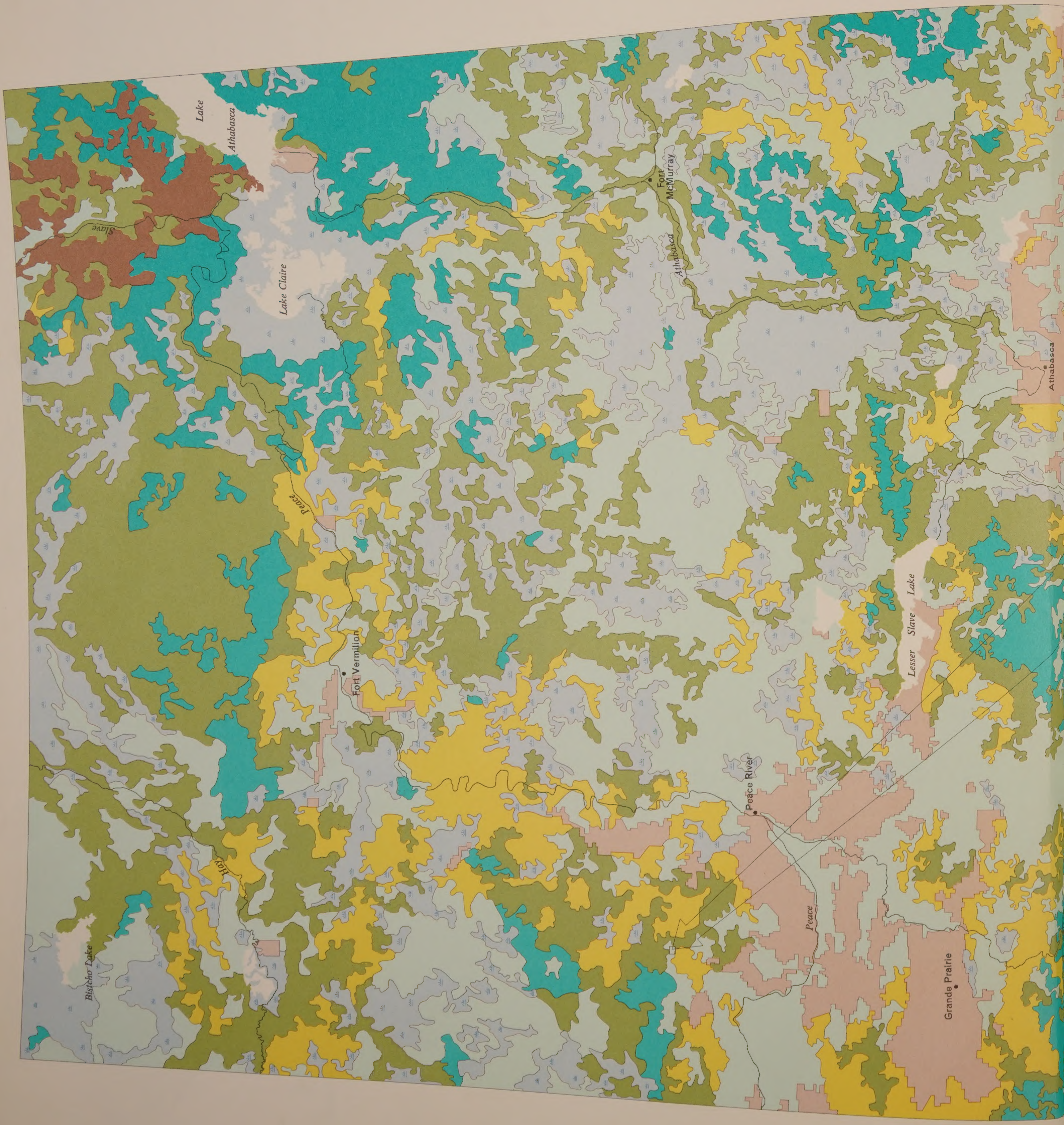

WHITE SPRUCE ✓
Picea glauca

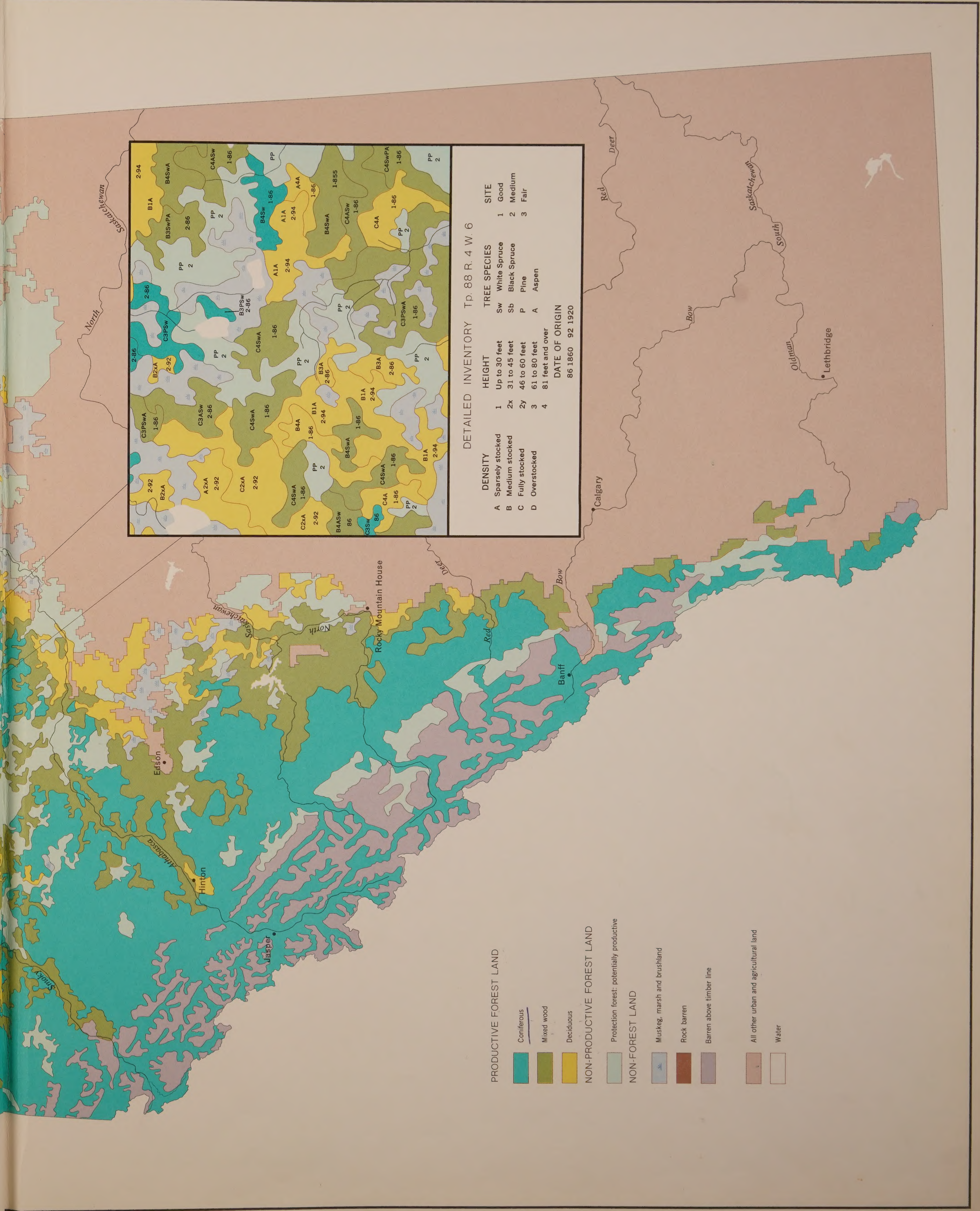

ALPINE LARCH
Larix lyallii
TAMARACK ✓
Larix laricina


BALSAM POPLAR ✓
Populus balsamifera
NARROW LEAF COTTONWOOD
Populus angustifolia


BOTH
TREMBLING ASPEN ✓
Populus tremuloides
COTTONWOOD
Populus deltoides


BOTH
WATER BIRCH
Betula occidentalis
WHITE BIRCH ✓
Betula papyrifera


Lake Athabasca
Slave
Lake Claire
Fort McMurray
Athabasca
Athabasca
Peace
Fort Vermilion
Lesser Slave Lake
Peace River
Hay
Peace
Bistcho Lake
Grande Prairie


DETAILED INVENTORY Tp. 88 R. 4 W. 6
DENSITY
A Sparsely stocked
B Medium stocked
C Fully stocked
D Overstocked
HEIGHT
1 Up to 30 feet
2x 31 to 45 feet
2y 46 to 60 feet
3 61 to 80 feet
4 81 feet and over
TREE SPECIES
Sw White Spruce
Sb Black Spruce
P Pine
A Aspen
SITE
1 Good
2 Medium
3 Fair
DATE OF ORIGIN
86 1860 92 1920
PRODUCTIVE FOREST LAND
Coniferous
Mixed wood
Deciduous
NON-PRODUCTIVE FOREST LAND
Protection forest: potentially productive
NON-FOREST LAND
Muskeg, marsh and brushland
Rock barren
Barren above timber line
All other urban and agricultural land
Water
North Saskatchewan
Red Deer
South Saskatchewan
Bow
Oldman
Lethbridge
Calgary
Rocky Mountain House
Banff
Edson
Hinton
Jasper
Athabasca
Smoky

MAJOR GROUPS

BROWN SOILS ▨

Zonal

The Brown Soils occur in the semi-arid short grass prairie section of the province. Orthic Brown Soils have an average of five inches of surface horizon that is brown in colour and contains about two per cent organic matter. The horizon of lime accumulation is at about 15 to 20 inches; this represents the average depth of rainfall penetration. The average annual precipitation in the area is about 12 inches; the yearly total varying from 6 to 26 inches. Moisture is a limiting factor to crop growth and only a few soil types are considered arable. There are about two and one-half million acres cultivated under a dry land agriculture. It is mainly under a wheat-fallow rotation. Half a million acres are irrigated. The irrigation projects lie west and northwest of Medicine Hat and are in the area having the longest growing season in the province. The remainder of the area, nine million acres, is used as native pasture.

DARK BROWN SOILS ▨

The Dark Brown Soils occur in an area that is slightly less arid than the Brown Soil area. Precipitation averages about 14 inches, but varies widely from year to year. Orthic Dark Brown Soils have an average of seven inches of surface horizon that contains about four per cent organic matter. The horizon of lime concentration is at about 24 inches. As in the Brown Soil area moisture is the main limiting factor to crop production and here also a wheat-fallow rotation is almost universal. There are about nine million acres of Dark Brown Soils with about four million cultivated. There are 200,000 acres of Dark Brown Soils irrigated.

BLACK SOILS ▨

The Black Soils occur in areas with a dry-subhumid climate; in general the parkland portion of the province. Rainfall in the area varies from an annual average of 15 inches along the southeastern side to 18 inches on the north and west sides. Some frost hazard occurs in the eastern portion of the area and along the western side. The soils in the southeastern half of the area are Thin Black and have an average of five inches of a black surface horizon; the northwestern half are Orthic Black and the black surface horizon averages about 10 inches. The lime concentration horizon varies from about 30 inches in the Thin Black Soils to 48 inches in the Orthic Black Soils. The organic matter in the black surface horizon averages about eight per cent. There are 15 million acres of Black Soils, with 9 million cultivated. There are approximately 50,000 acres of Black Soils irrigated; these are in the southwest corner of the province. A wide range of crops can be grown in the Black Soil areas and the soil's productivity is generally high.

DARK GREY AND DARK GREY WOODED SOILS ▨

The Dark Grey and Dark Grey Wooded Soils occur in areas with a dry-subhumid to subhumid climate and where there is fairly continuous tree cover. The average annual rainfall in the areas varies from 16 to 19 inches and the average frost free period averages less than in the Black Soil zone. These soils usually have a thin leaf mat on the surface. Under the leaf mat is a black to dark grey surface horizon from 3 to 10 inches thick. Under this there is often a very light grey leached horizon. The lime concentration horizon, if present, is generally at 40 to 60 inches below the surface. There are about 10 million acres of Dark Grey and Dark Grey Wooded Soils, a little over four million of which are cultivated. A fairly wide range of crops can be grown and their productivity is generally fairly high.

GREY WOODED SOILS ▨

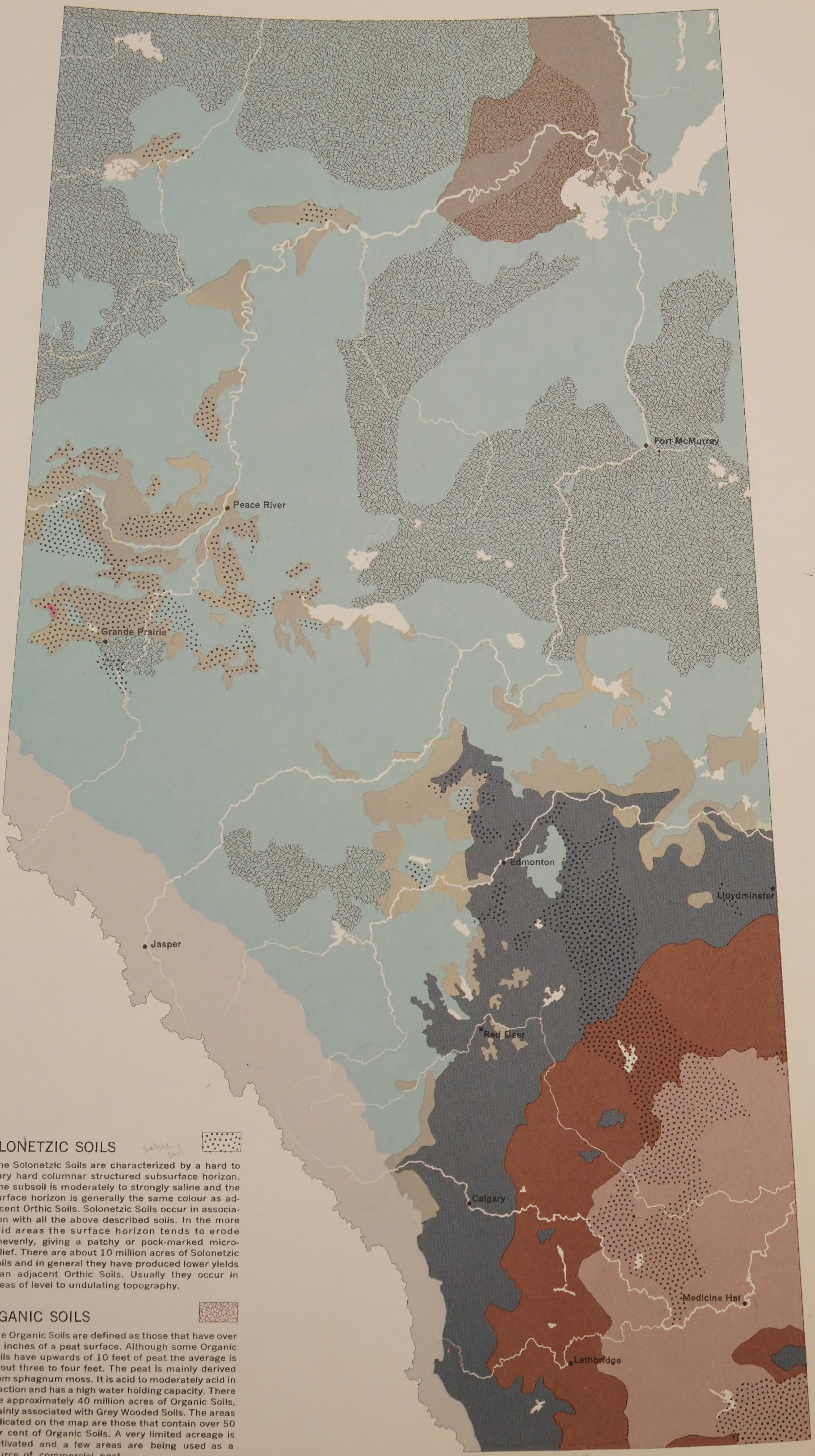
The Grey Wooded Soils occur in areas with a subhumid climate and where there usually is continuous tree cover. Rainfall in the areas varies from 19 to 22 inches in the southwestern portion of the area to 12 to 14 inches in the northern portion. In most of the areas frost is a hazard to crop production. An Orthic Grey Wooded Soil is characterized by a leaf mat, a thin dark surface horizon of less than two inches in thickness, a light grey platy structured subsurface horizon, and a strongly structured subsoil horizon. These soils are low in natural fertility and respond to the application of mineral fertilizers and additions of organic matter. There are upwards of 50 million acres of Grey Wooded Soil of which about 5 million are cultivated. Coarse grains and hays are the principal crops grown on these soils. Careful soil management is required to achieve good productivity.

BROWN WOODED AND ACID BROWN WOODED SOILS ▨

Brown Wooded and Acid Brown Wooded Soils occur in areas with a subhumid climate and where there is tree cover. In general they are young soils with weak profile development. They are brown to dark brown in colour and there is no clear demarcation between the surface and subsoil. The subsoil is friable and lacks well defined structure. The Brown Wooded Soils are neutral to mildly alkaline in reaction; the Acid Brown Wooded Soils are mildly to moderately acid in reaction. In addition to the area indicated on the map small areas occur throughout the northern and western portion of the province. Very few acres are presently cultivated. However, some areas have arable possibilities.

UNDIFFERENTIATED MOUNTAIN COMPLEX ▨

Limited survey data suggest three divisions: (a) bare rock, mostly steeply sloping; (b) relatively shallow soils on the lower slopes that are mainly Grey Wooded, Podzol, or Brown Wooded; and (c) the bottom lands containing Gleysolic, Organic, and/or Regosolic Soils.



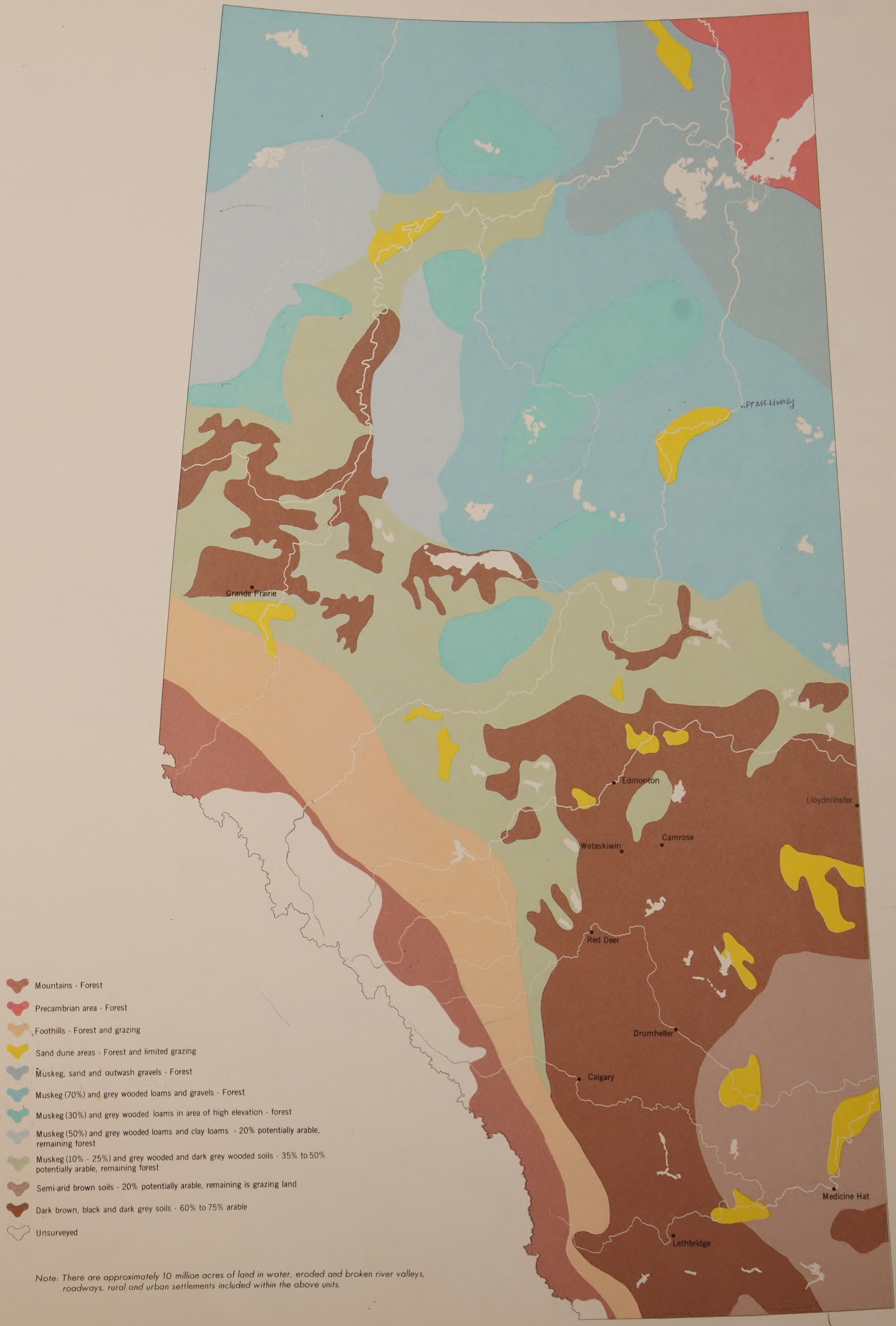
SOLONETZIC SOILS ▨

Saline Soil

The Solonetzic Soils are characterized by a hard to very hard columnar structured subsurface horizon. The subsoil is moderately to strongly saline and the surface horizon is generally the same colour as adjacent Orthic Soils. Solonetzic Soils occur in association with all the above described soils. In the more arid areas the surface horizon tends to erode unevenly, giving a patchy or pock-marked microrelief. There are about 10 million acres of Solonetzic Soils and in general they have produced lower yields than adjacent Orthic Soils. Usually they occur in areas of level to undulating topography.

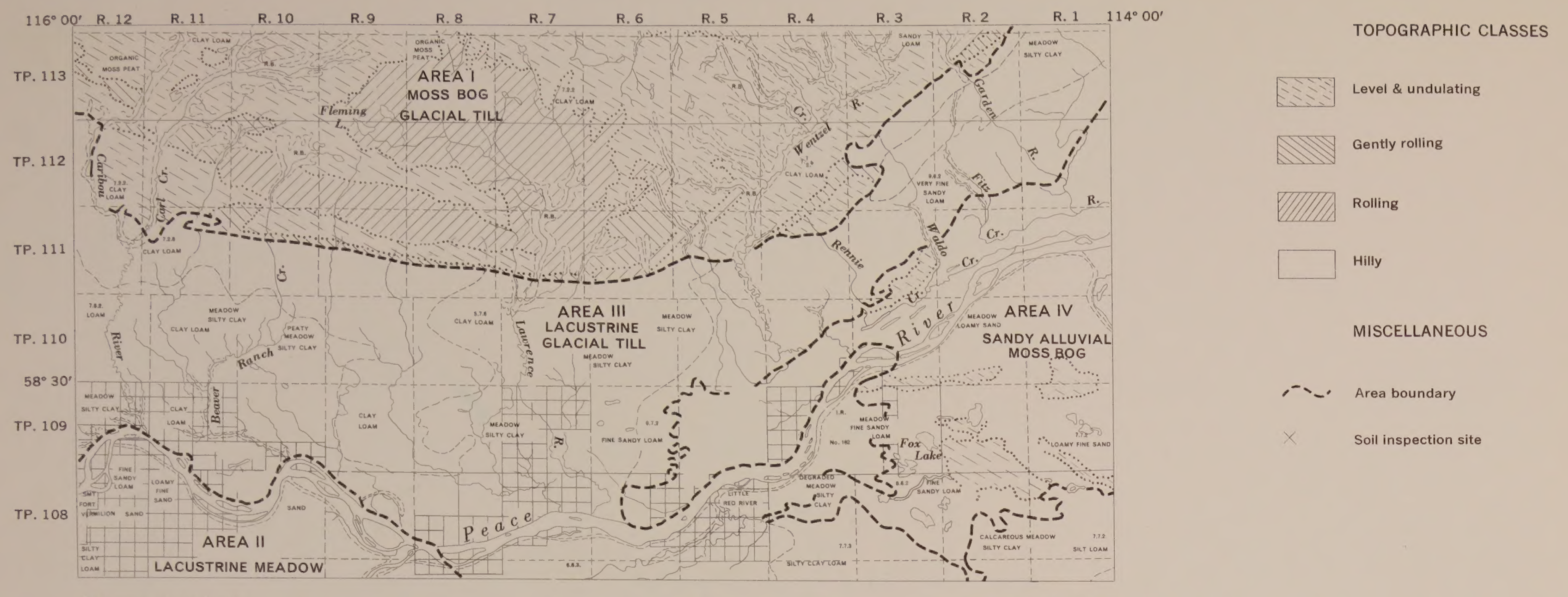
ORGANIC SOILS ▨

The Organic Soils are defined as those that have over 12 inches of a peat surface. Although some Organic Soils have upwards of 10 feet of peat the average is about three to four feet. The peat is mainly derived from sphagnum moss. It is acid to moderately acid in reaction and has a high water holding capacity. There are approximately 40 million acres of Organic Soils, mainly associated with Grey Wooded Soils. The areas indicated on the map are those that contain over 50 per cent of Organic Soils. A very limited acreage is cultivated and a few areas are being used as a source of commercial peat.


Ft McMurray
Grande Prairie
Edmonton
Lloydminster
Camrose
Wetaskiwin
Red Deer
Drumheller
Calgary
Medicine Hat
Lethbridge
Mountains - Forest
Precambrian area - Forest
Foothills - Forest and grazing
Sand dune areas - Forest and limited grazing
Muskeg, sand and outwash gravels - Forest
Muskeg (70%) and grey wooded loams and gravels - Forest
Muskeg (30%) and grey wooded loams in area of high elevation - forest
Muskeg (50%) and grey wooded loams and clay loams - 20% potentially arable, remaining forest
Muskeg (10% - 25%) and grey wooded and dark grey wooded soils - 35% to 50% potentially arable, remaining forest
Semi-arid brown soils - 20% potentially arable, remaining is grazing land
Dark brown, black and dark grey soils - 60% to 75% arable
Unsurveyed

Note: There are approximately 10 million acres of land in water, eroded and broken river valleys, roadways, rural and urban settlements included within the above units.

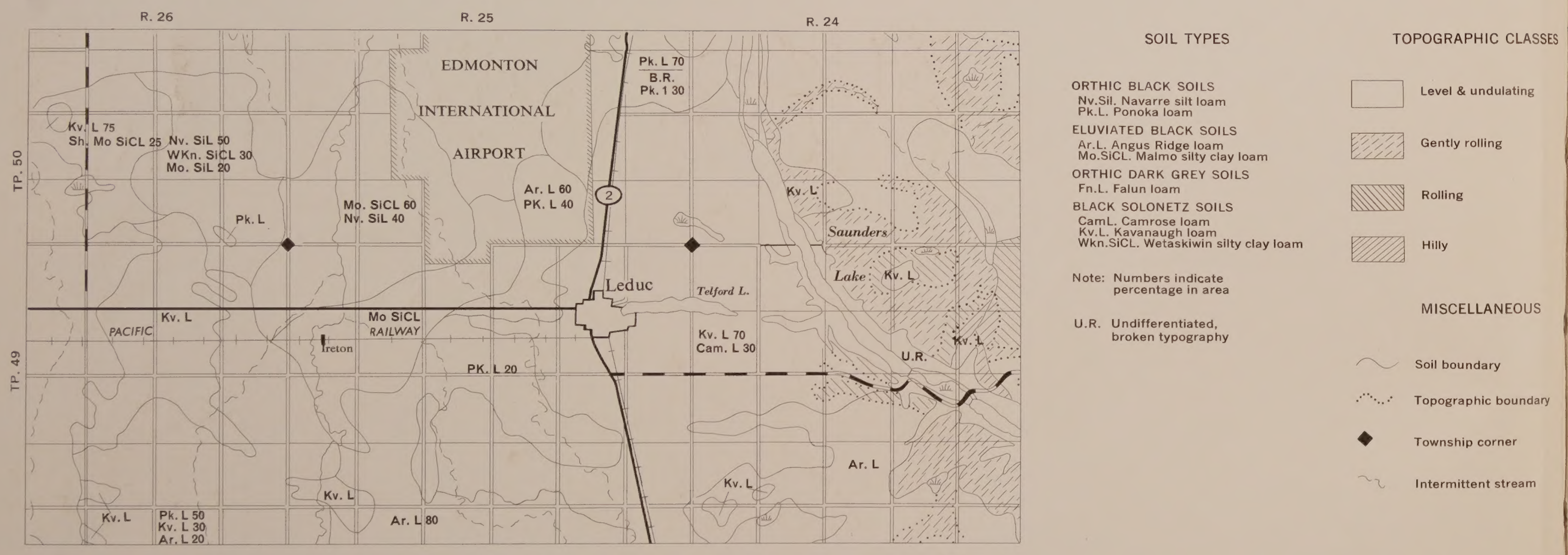
EXPLORATORY SOIL SURVEY—PORTION OF FORT VERMILION AREA (84-J)


116° 00′
R. 12
R. 11
R. 10
R. 9
R. 8
R. 7
R. 6
R. 5
R. 4
R. 3
R. 2
R. 1
114° 00′
TP. 113
TP. 112
TP. 111
TP. 110
58° 30′
TP. 109
TP. 108
AREA I
MOSS BOG
GLACIAL TILL
AREA II
LACUSTRINE MEADOW
AREA III
LACUSTRINE
GLACIAL TILL
AREA IV
SANDY ALLUVIAL
MOSS BOG
Fleming L.
Caribou
Cort Cr.
Wentzel R.
Garden R.
Fitz
Rennie
Waddo Cr.
River
Peace
Ranch
Beaver
Lawrence R.
Fox Lake
FORT VERMILION
TOPOGRAPHIC CLASSES
Level & undulating
Gently rolling
Rolling
Hilly
MISCELLANEOUS
Area boundary
Soil inspection site

Scale approx. 1 inch = 10 miles

Alberta Soil Survey, 1959

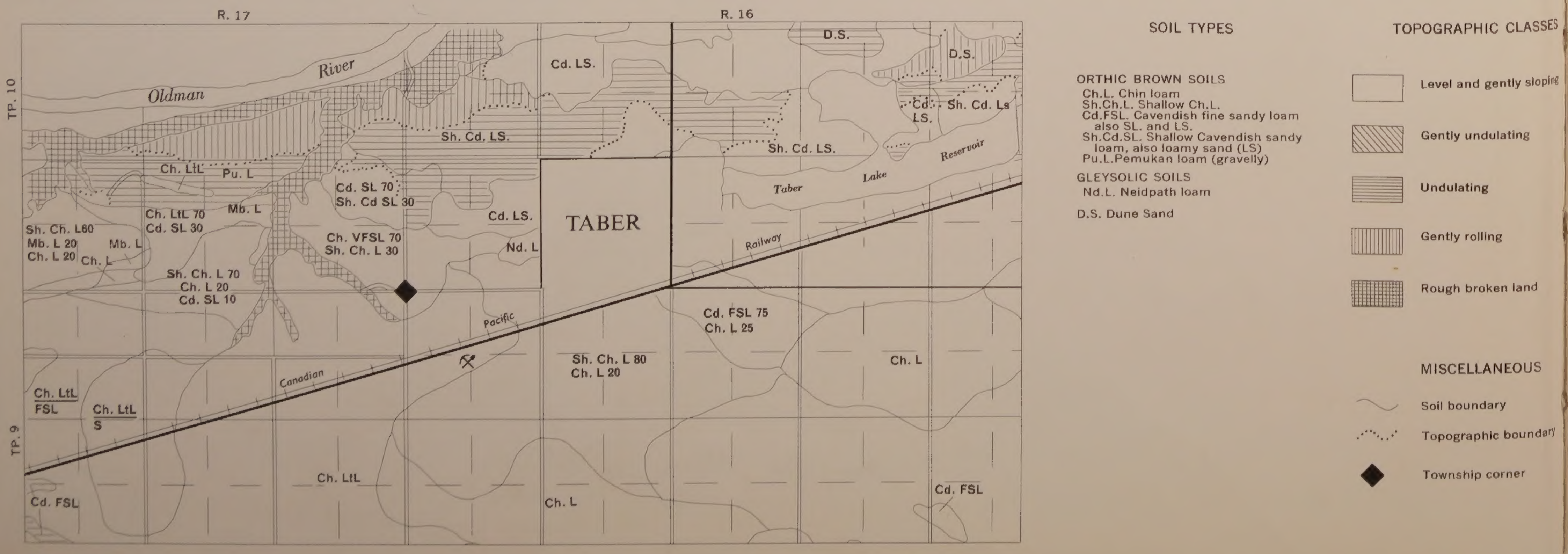
RECONNAISSANCE SOIL SURVEY—PORTION OF EDMONTON MAP SHEET.


R. 26
R. 25
R. 24
TP. 50
TP. 49
EDMONTON
INTERNATIONAL
AIRPORT
Pk. L 70
B.R.
Pk. 1 30
Kv. L 75
Sh. Mo SiCL 25
Nv. SiL 50
WKn. SiCL 30
Mo. SiL 20
Ar. L 60
PK. L 40
Mo. SiCL 60
Nv. SiL 40
Pk. L
Kv. L
Saunders
Lake
Leduc
Telford L.
PACIFIC
Kv. L
Mo SiCL
RAILWAY
Ireton
PK. L 20
Kv. L 70
Cam. L 30
U.R.
Ar. L
Kv. L
Kv. L
Pk. L 50
Kv. L 30
Ar. L 20
Ar. L 80
2
SOIL TYPES
ORTHIC BLACK SOILS
Nv.Sil. Navarre silt loam
Pk.L. Ponoka loam
ELUVIATED BLACK SOILS
Ar.L. Angus Ridge loam
Mo.SiCL. Malmo silty clay loam
ORTHIC DARK GREY SOILS
Fn.L. Falun loam
BLACK SOLONETZ SOILS
CamL. Camrose loam
Kv.L. Kavanaugh loam
Wkn.SiCL. Wetaskiwin silty clay loam
Note: Numbers indicate percentage in area
U.R. Undifferentiated, broken typography
TOPOGRAPHIC CLASSES
Level & undulating
Gently rolling
Rolling
Hilly
MISCELLANEOUS
Soil boundary
Topographic boundary
Township corner
Intermittent stream

Scale 1 inch = 2 miles

Alberta Soil Survey, 1963

DETAILED SOIL SURVEY—PORTION OF TABER IRRIGATION PROJECT.


R. 17
R. 16
TP. 10
TP. 9
Oldman
River
D.S.
D.S.
Cd. LS.
Cd. LS.
Sh. Cd. Ls
Sh. Cd. LS.
Sh. Cd. LS.
Taber
Lake
Reservoir
Ch. LtL
Pu. L
Cd. SL 70
Sh. Cd SL 30
Ch. LtL 70
Cd. SL 30
Mb. L
Cd. LS.
TABER
Sh. Ch. L 60
Mb. L 20
Ch. L 20
Mb. L
Ch. L
Ch. VFSL 70
Sh. Ch. L 30
Nd. L
Railway
Sh. Ch. L 70
Ch. L 20
Cd. SL 10
Pacific
Canadian
Cd. FSL 75
Ch. L 25
Sh. Ch. L 80
Ch. L 20
Ch. L
Ch. LtL
FSL
Ch. LtL
S
Ch. LtL
Cd. FSL
Ch. L
Cd. FSL
SOIL TYPES
ORTHIC BROWN SOILS
Ch.L. Chin loam
Sh.Ch.L. Shallow Ch.L.
Cd.FSL. Cavendish fine sandy loam also SL. and LS.
Sh.Cd.SL. Shallow Cavendish sandy loam, also loamy sand (LS)
Pu.L.Pemukan loam (gravelly)
GLEYSOLIC SOILS
Nd.L. Neidpath loam
D.S. Dune Sand
TOPOGRAPHIC CLASSES
Level and gently sloping
Gently undulating
Undulating
Gently rolling
Rough broken land
MISCELLANEOUS
Soil boundary
Topographic boundary
Township corner

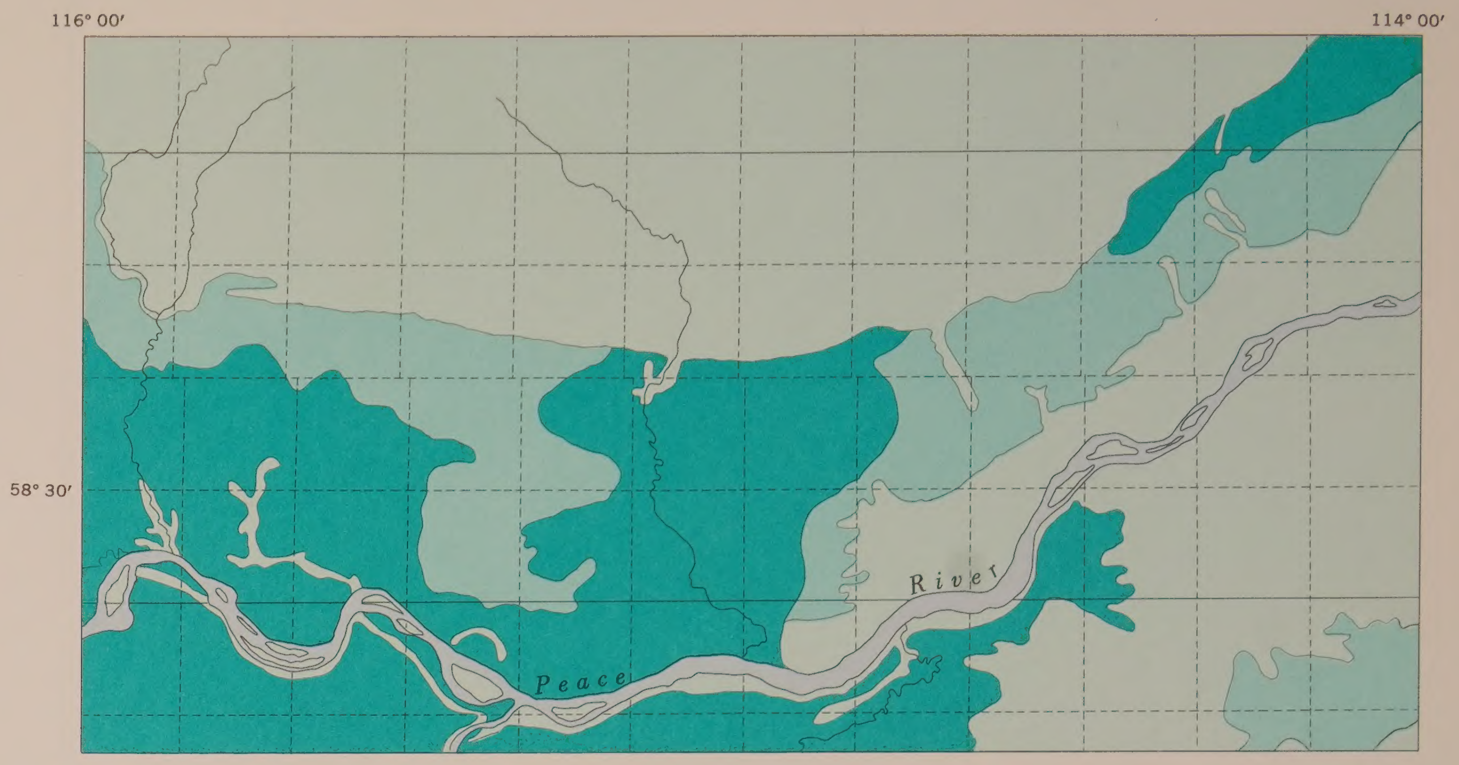
Scale 1 inch = 1 mile

Alberta Soil Survey, 1963

LAND RATING—PORTION OF FORT VERMILION AREA (84-J)

LAND RATING CLASSES

- 🟦 Potential arable land
- ▨ Doubtful arable land
- ☐ Pasture & woodland


116° 00′
114° 00′
58° 30′
River
Peace

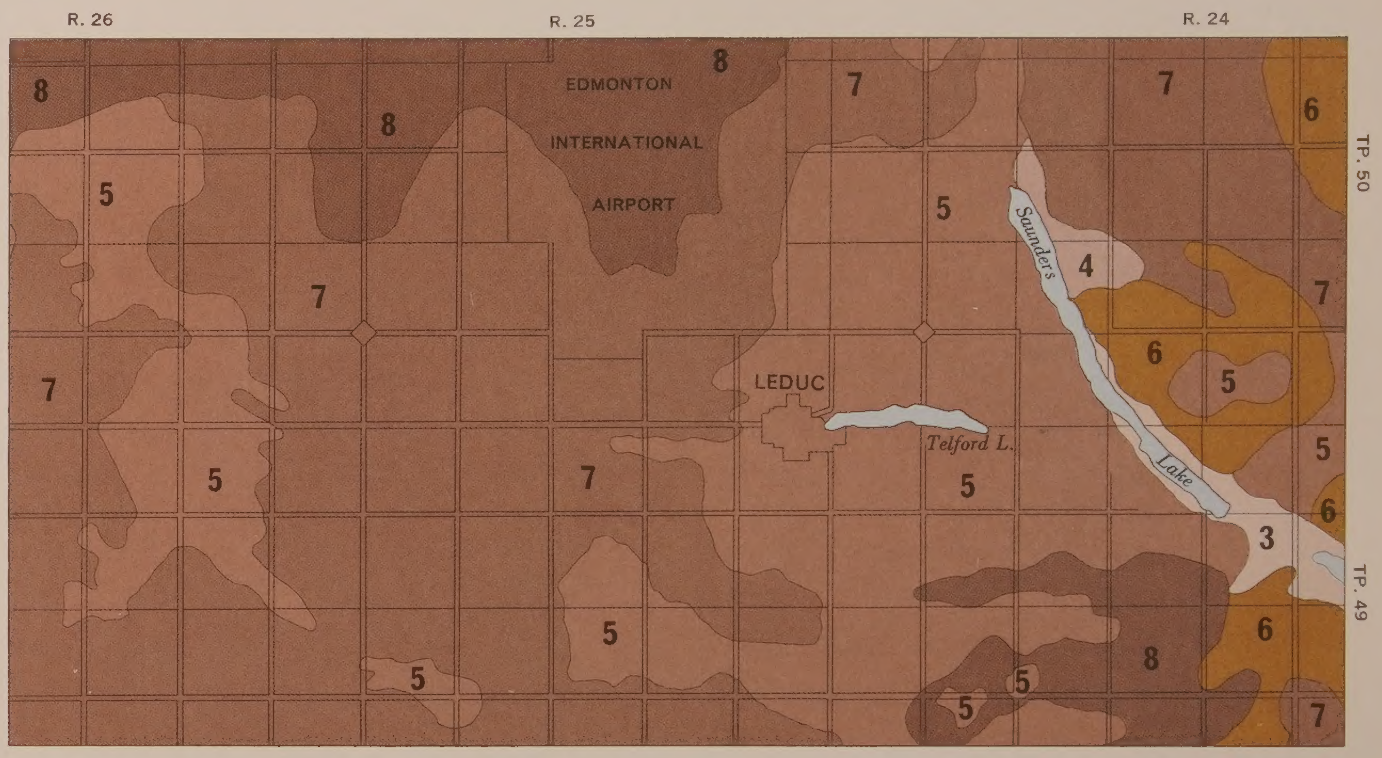
Scale approx. 1 inch = 10 miles

Alberta Soil Survey, 1959

SOIL RATING—PORTION OF EDMONTON MAP SHEET

SOIL RATING CLASSES

- **3** Pasture
- **4** Poor to fair arable land
- **5** Fair to fairly good arable land
- **6** Fairly good to good arable land
- **7** Good to very good arable land
- **8** Very good to excellent arable land


R. 26
R. 25
R. 24
TP. 50
TP. 49
EDMONTON
INTERNATIONAL
AIRPORT
LEDUC
Telford L.
Saunders
Lake
8
5
8
8
7
7
5
7
4
6
5
7
6
7
5
6
3
7
5
7
5
5
5
8
6
5
5
7

Scale 1 inch = 2 miles

Alberta Soil Survey, 1963

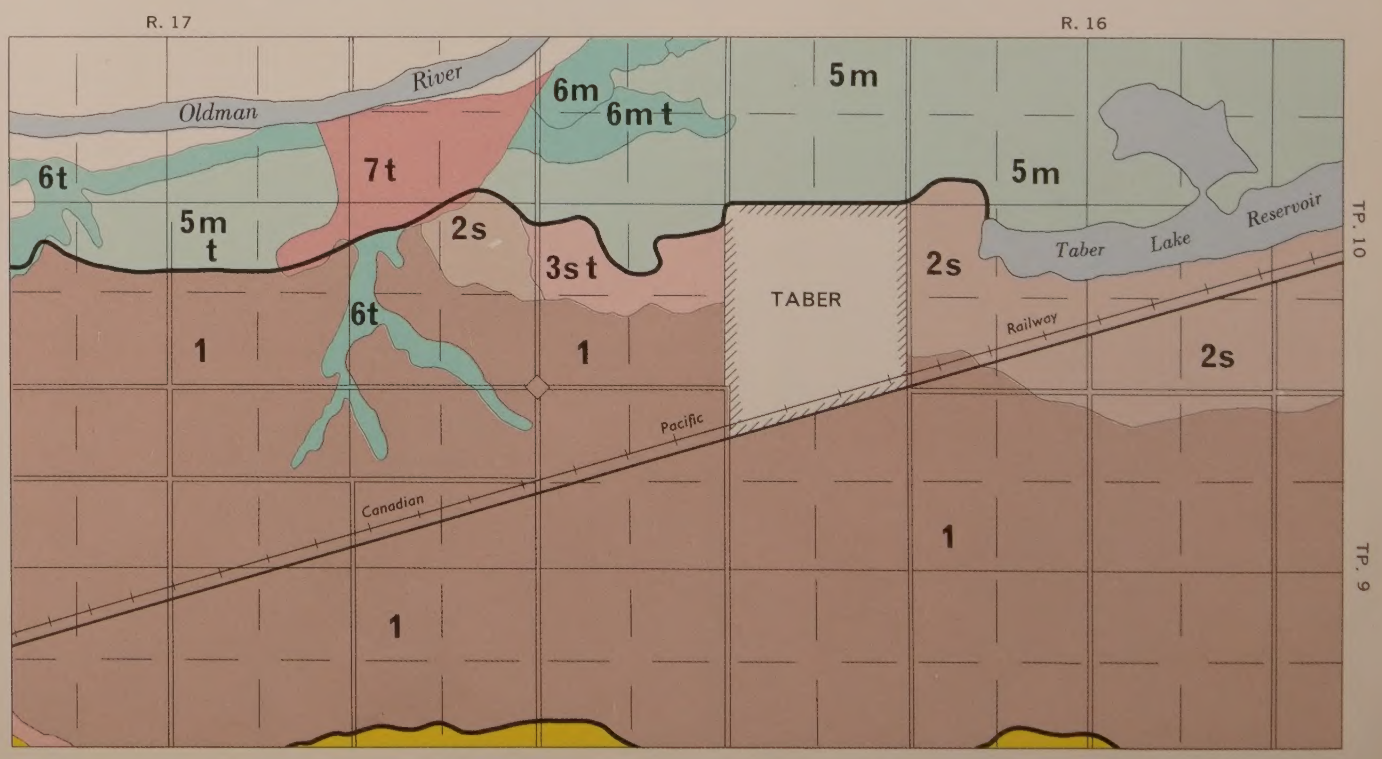
CAPABILITY RATING—PORTION OF TABER IRRIGATION PROJECT

CAPABILITY CLASSES

- **1** Excellent irrigation land
- **2** Good irrigation land
- **3** Fair irrigation land
- **4** Poor to fair for dry land cultivation
- **5** Improvable pasture land
- **6** Unimprovable pasture land
- **7** Little or no agricultural value

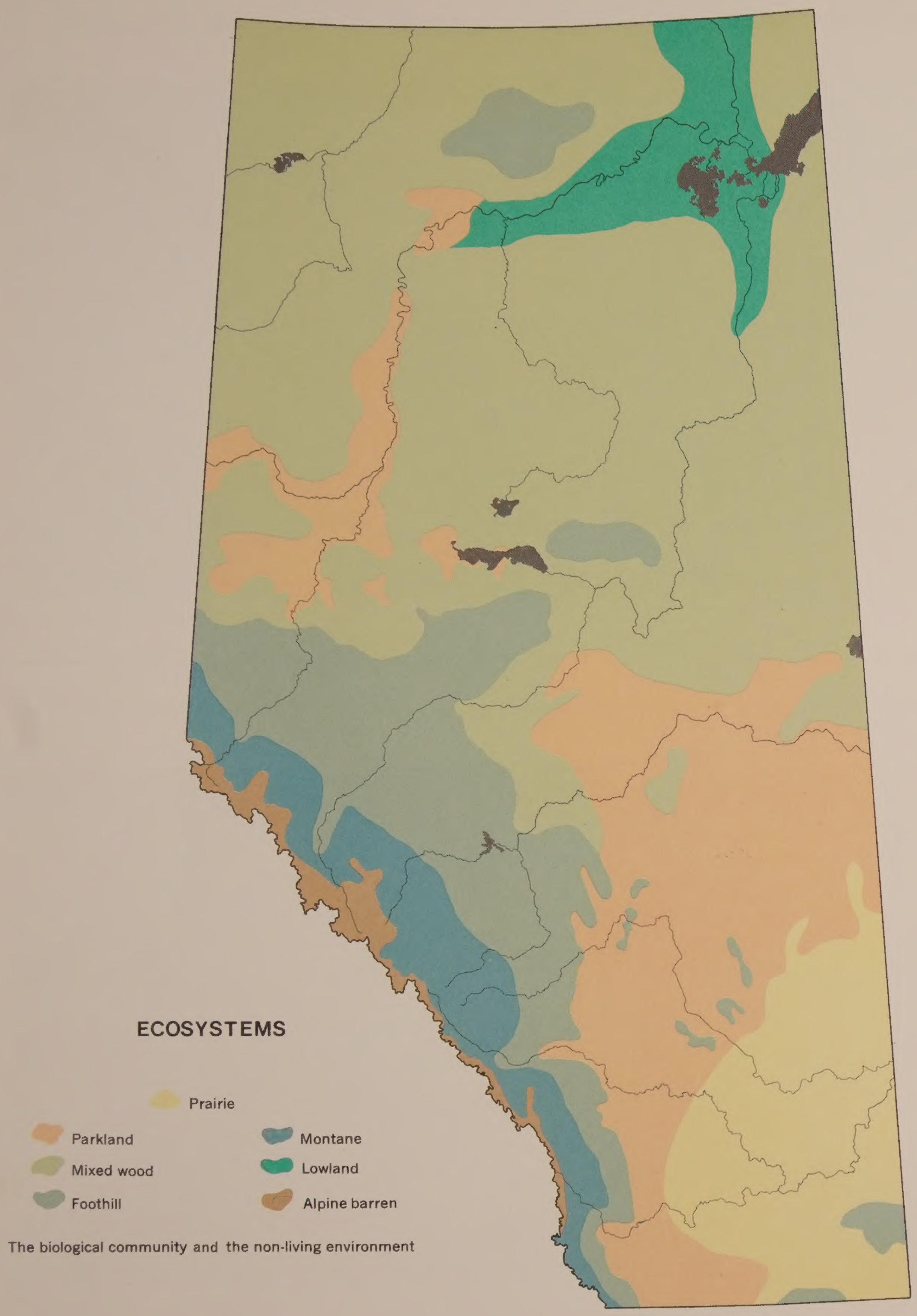
MISCELLANEOUS

Area boundary
Line dividing irrigated and non-irrigated
s Soil limitation
t Topographic limitation
m Low moisture holding capacity


R. 17
R. 16
TP. 10
TP. 9
Oldman
River
6m
6m t
5m
6t
7t
5m
t
2s
3s t
5m
Taber
Lake
Reservoir
TABER
2s
Railway
2s
6t
1
1
Pacific
Canadian
1
1

Scale 1 inch = 1 mile

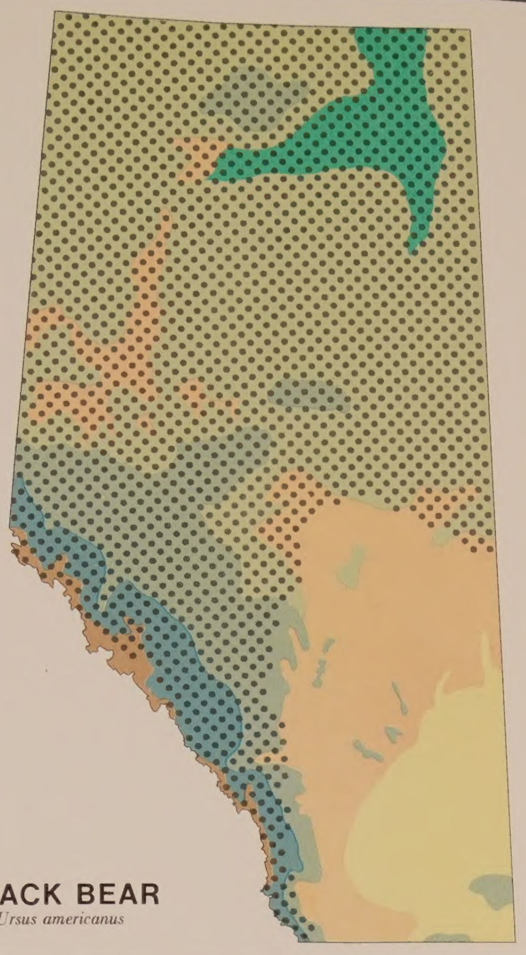
Alberta Soil Survey, 1963



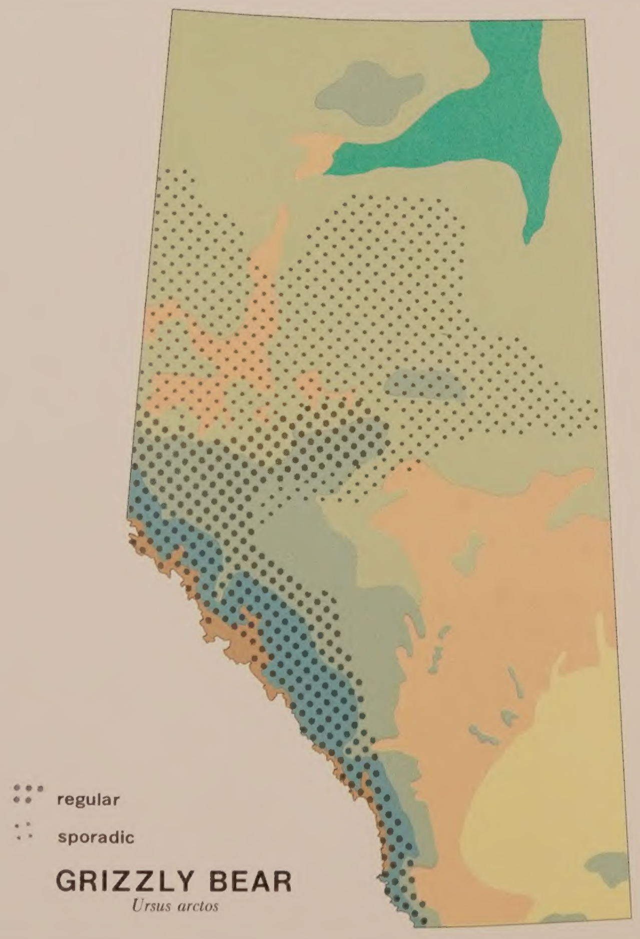
ECOSYSTEMS

Prairie
Parkland
Mixed wood
Foothill
Montane
Lowland
Alpine barren

The biological community and the non-living environment

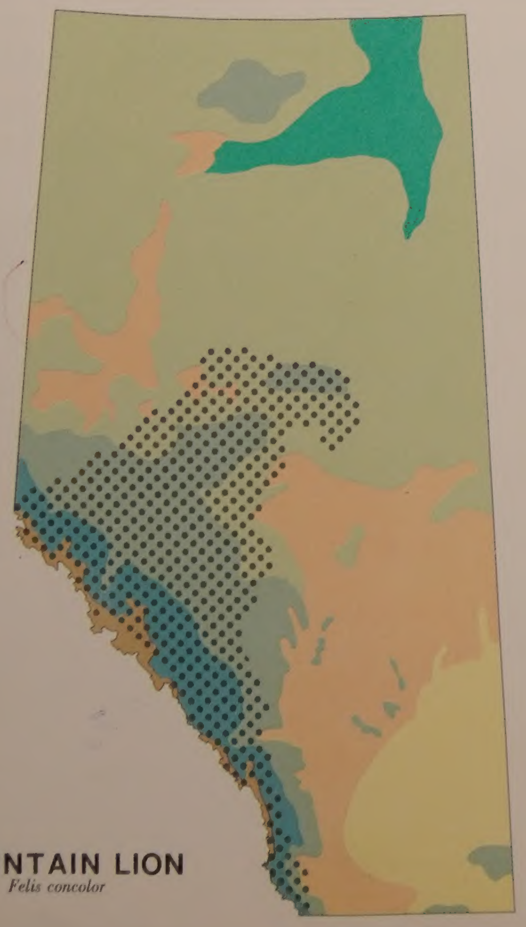


BLACK BEAR
Ursus americanus

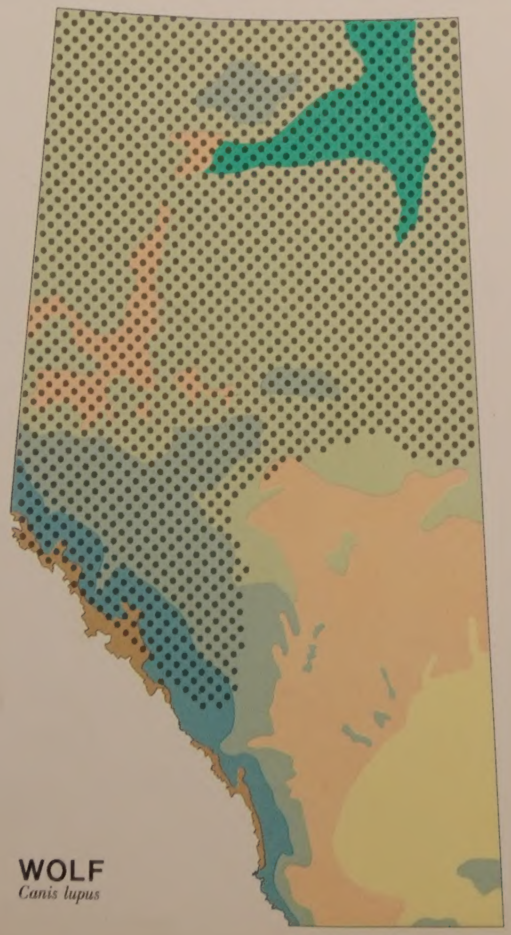


regular
sporadic

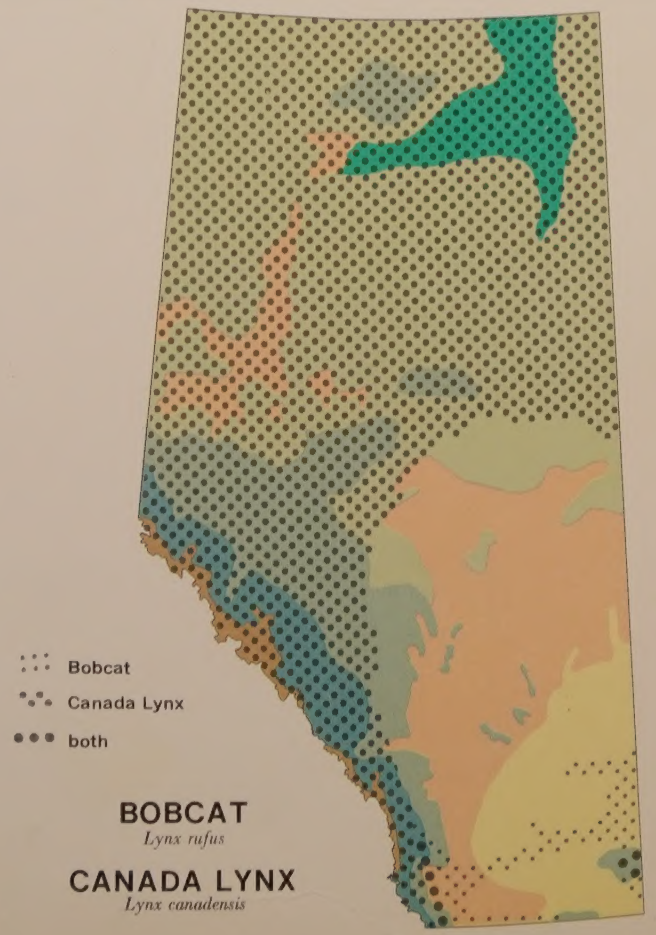
GRIZZLY BEAR
Ursus arctos



MOUNTAIN LION
Felis concolor



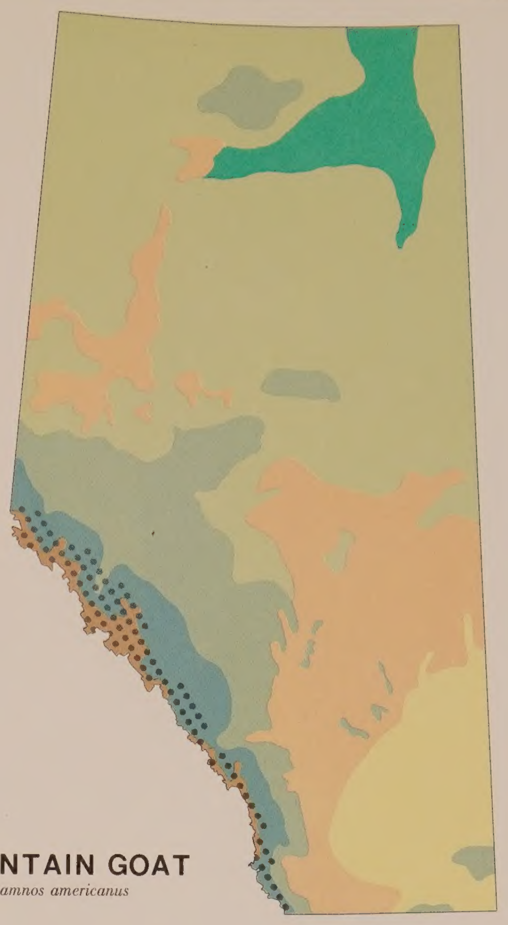
WOLF
Canis lupus



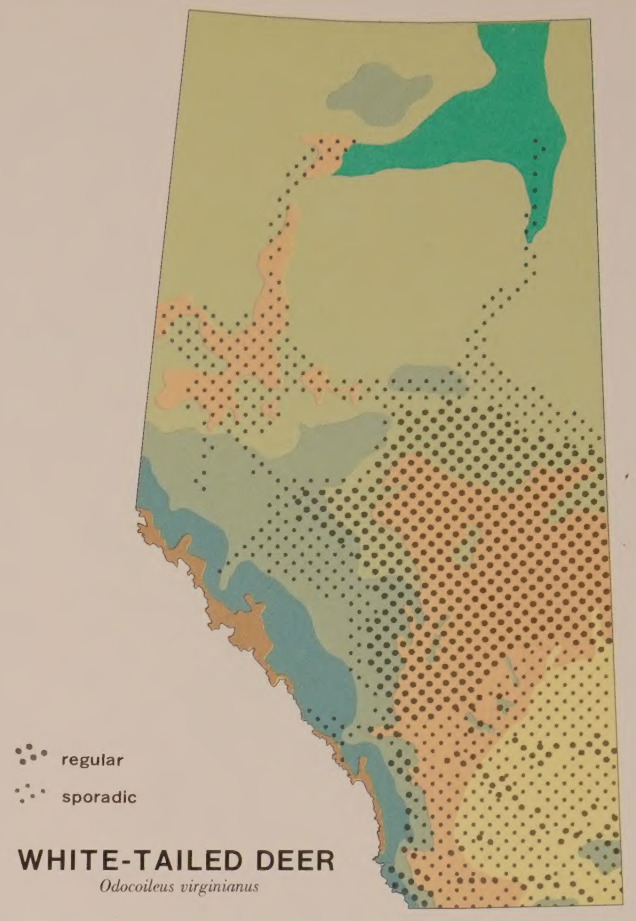
Bobcat
Canada Lynx
both

BOBCAT
Lynx rufus

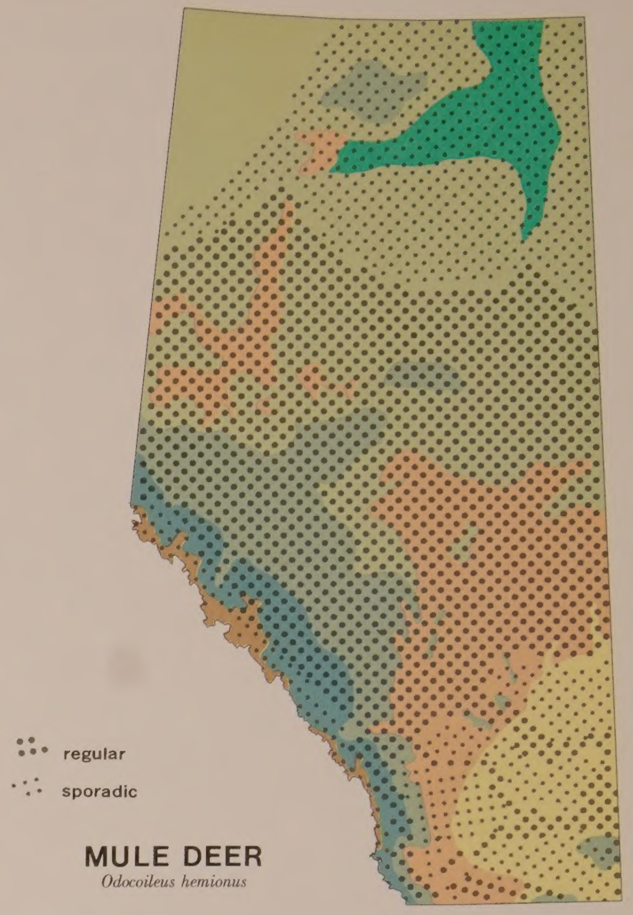
CANADA LYNX
Lynx canadensis



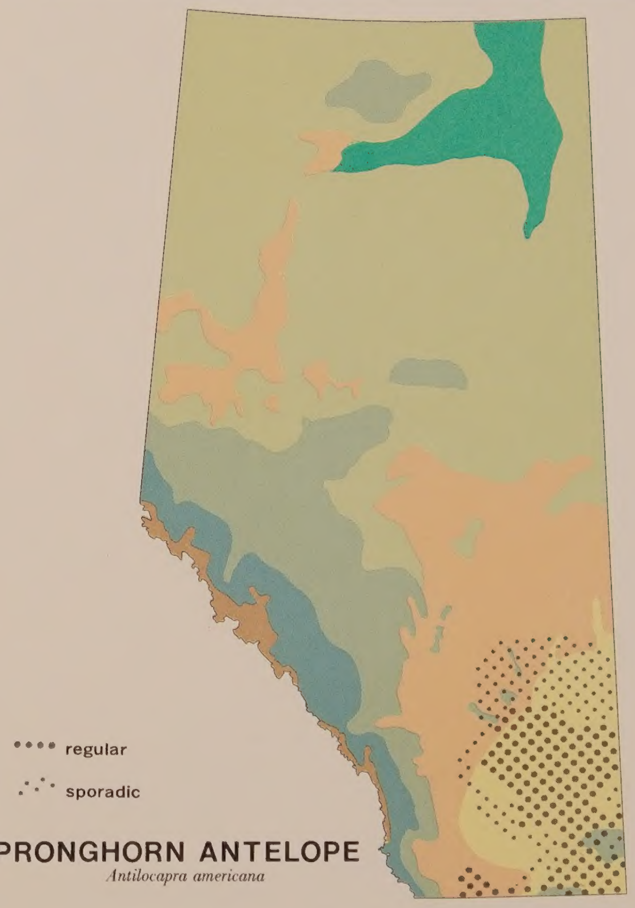
MOUNTAIN GOAT
Oreamnos americanus


regular
sporadic

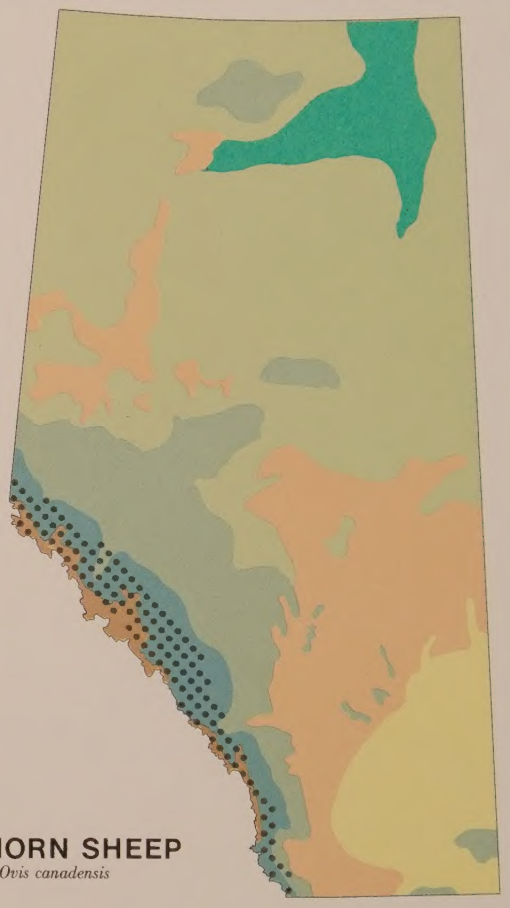
WHITE-TAILED DEER
Odocoileus virginianus


regular
sporadic

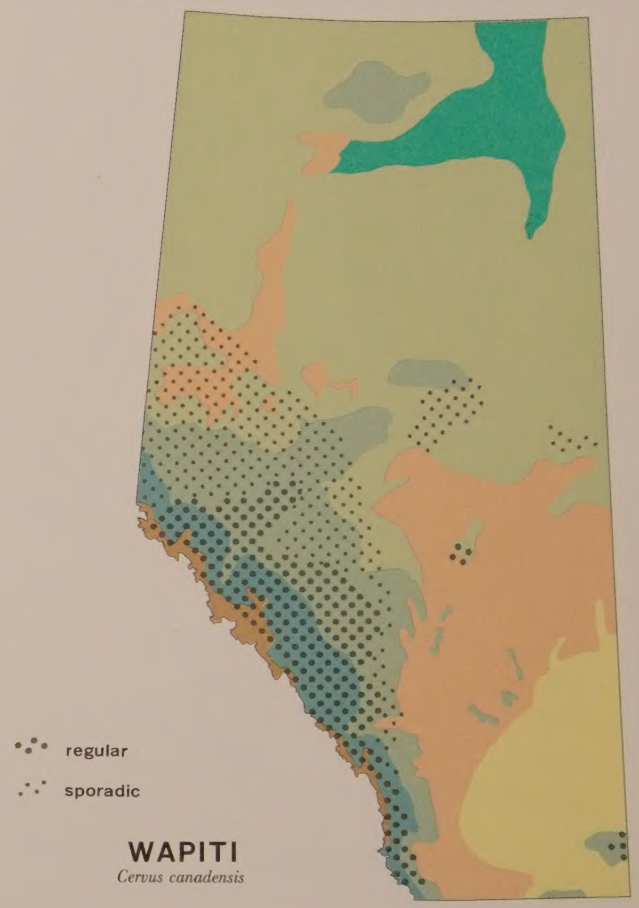
MULE DEER
Odocoileus hemionus


regular
sporadic

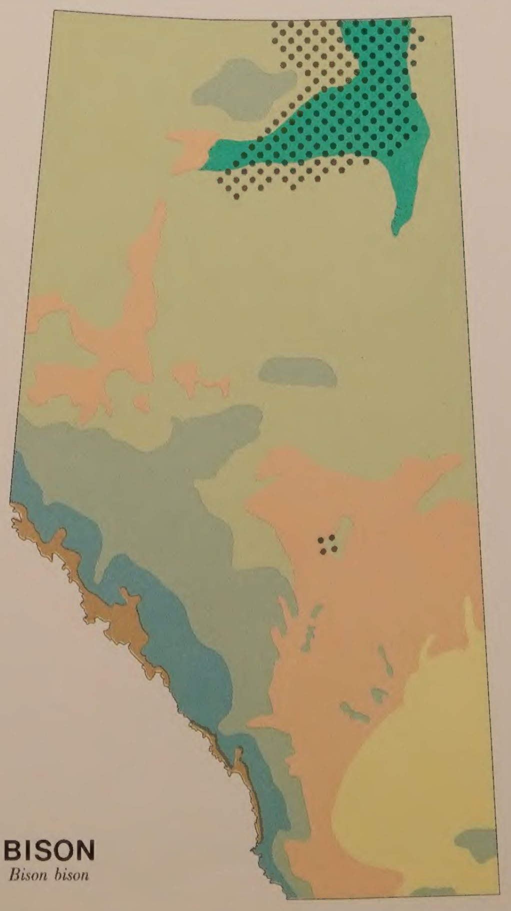
PRONGHORN ANTELOPE
Antilocapra americana



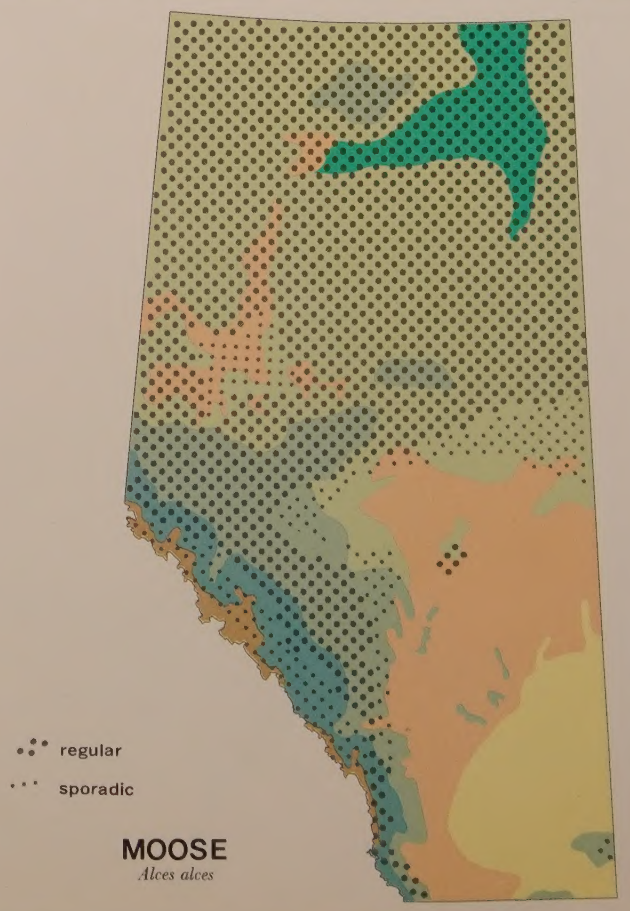
BIGHORN SHEEP
Ovis canadensis


regular
sporadic

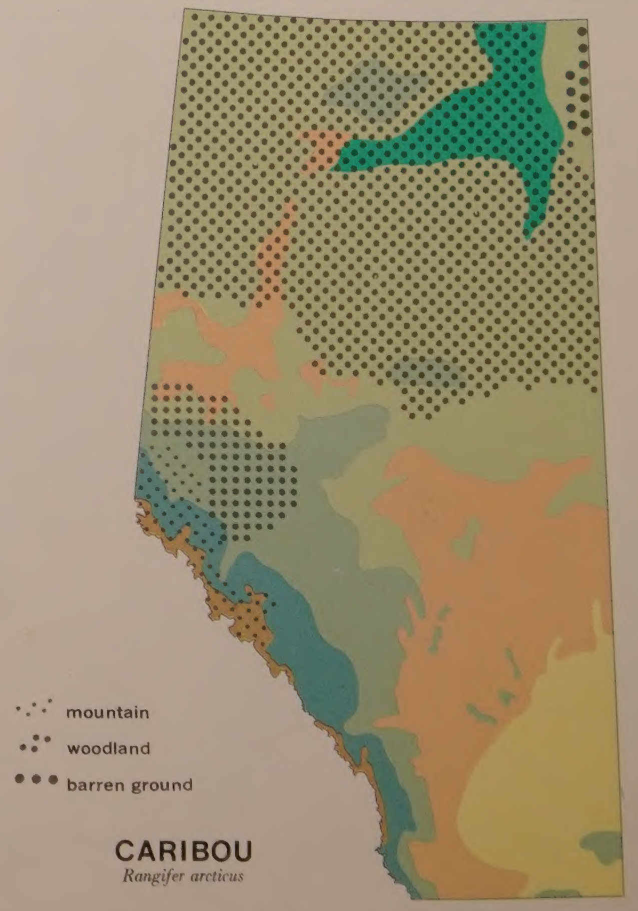
WAPITI
Cervus canadensis



BISON
Bison bison

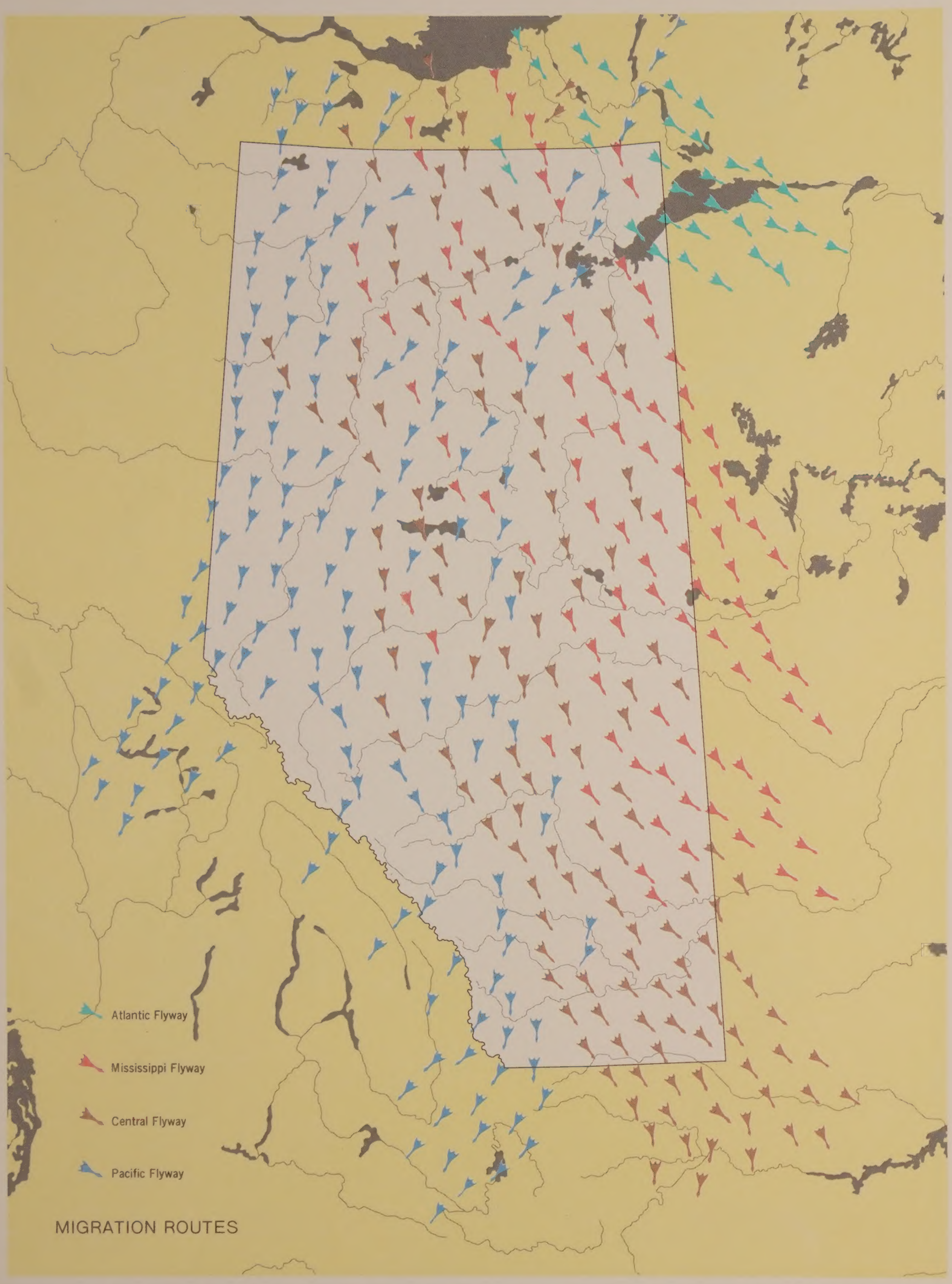

regular
sporadic

MOOSE
Alces alces

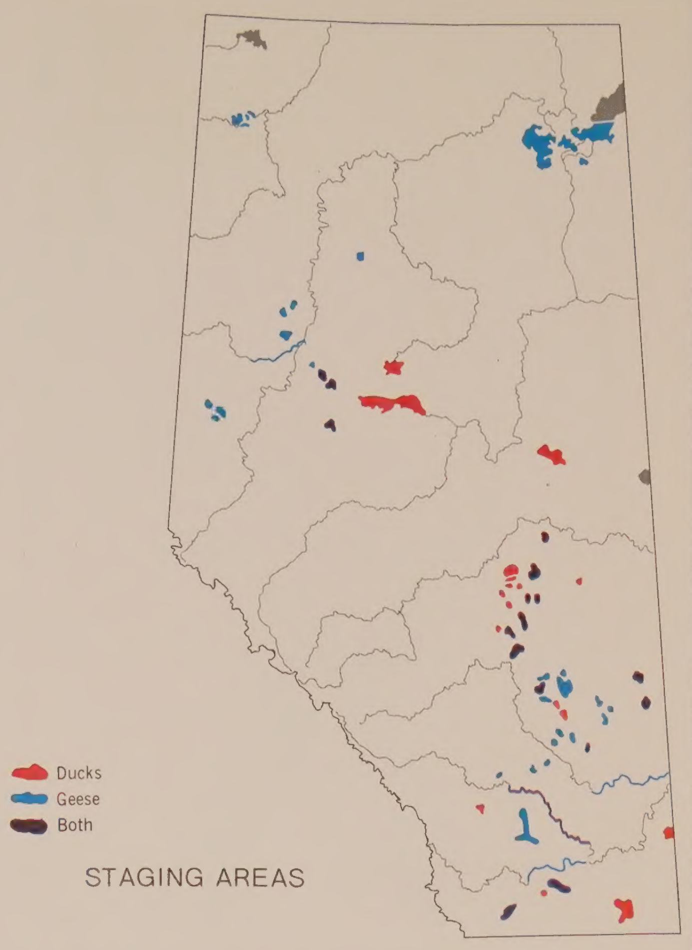

mountain
woodland
barren ground

CARIBOU
Rangifer arcticus

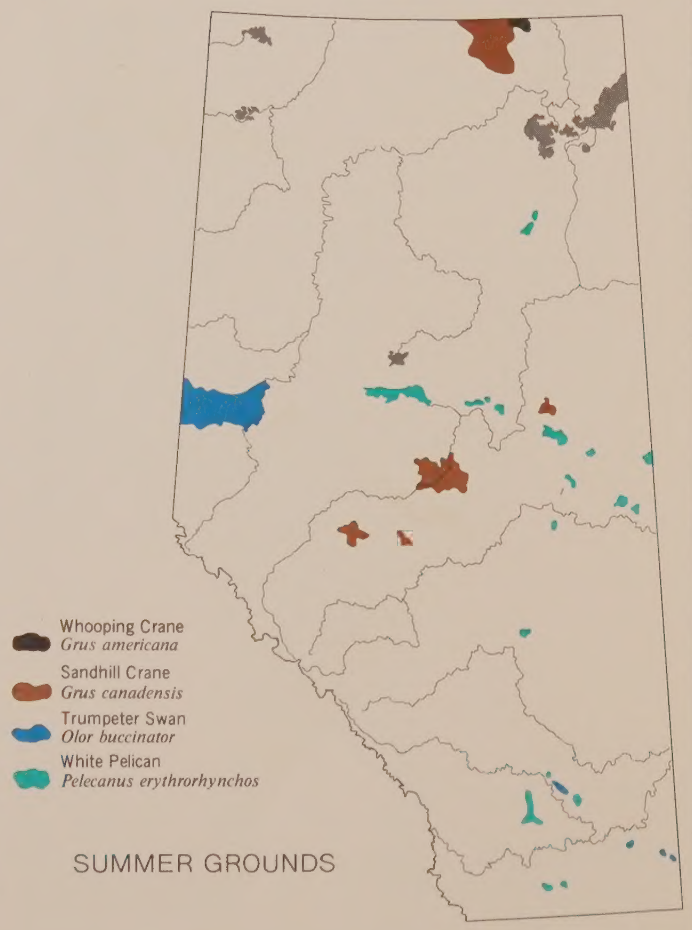
WATERFOWL


Atlantic Flyway
Mississippi Flyway
Central Flyway
Pacific Flyway

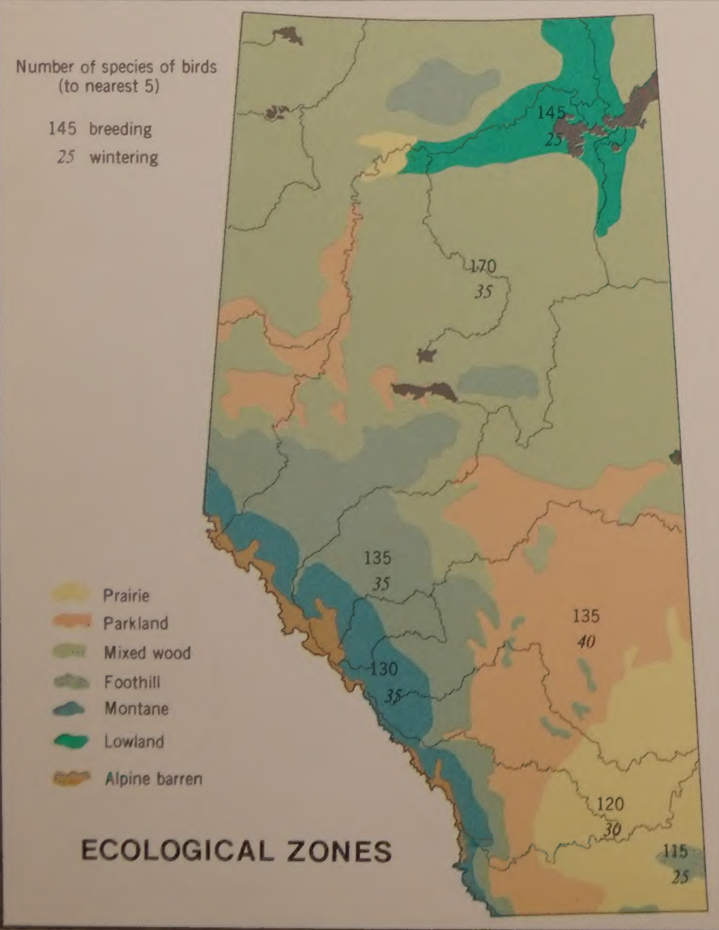
MIGRATION ROUTES


Ducks
Geese
Both

STAGING AREAS

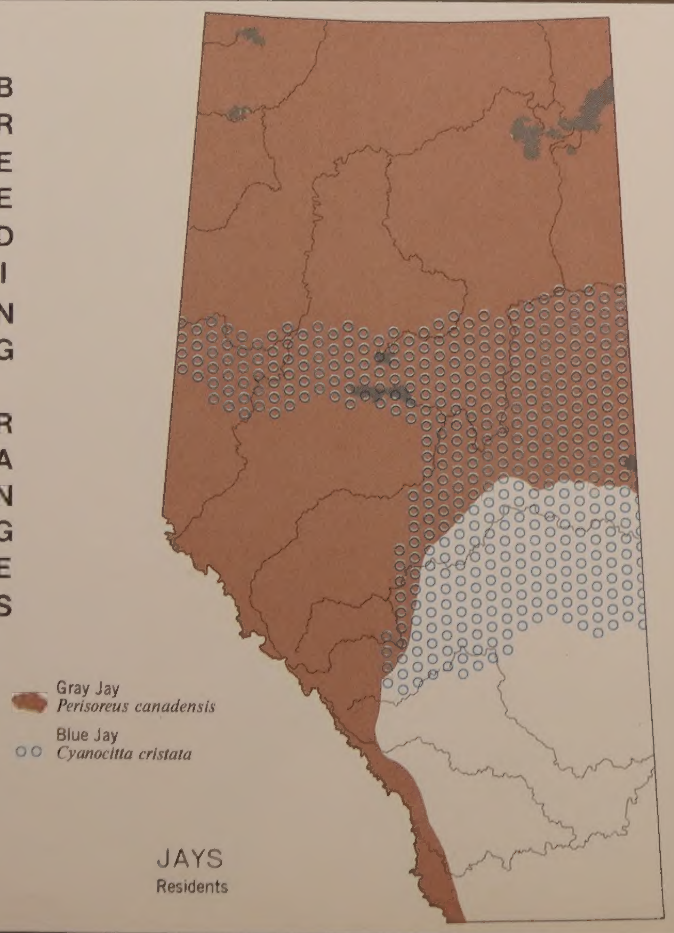

Whooping Crane
Grus americana
Sandhill Crane
Grus canadensis
Trumpeter Swan
Olor buccinator
White Pelican
Pelecanus erythrorhynchos

SUMMER GROUNDS

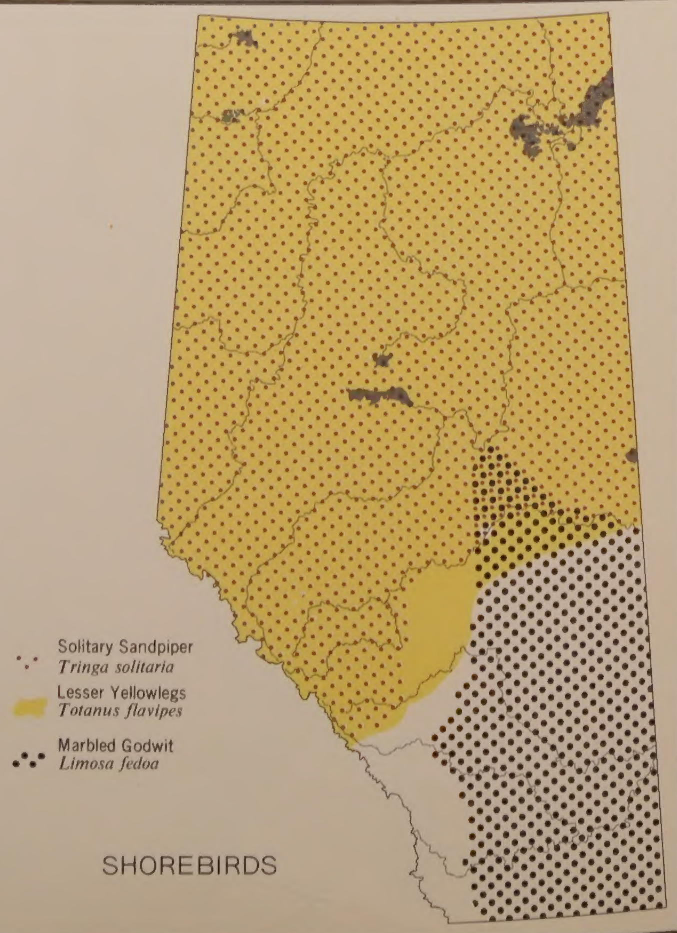

Number of species of birds
(to nearest 5)
145 breeding
25 wintering
145
25
170
35
135
35
135
40
130
35
120
30
115
25
Prairie
Parkland
Mixed wood
Foothill
Montane
Lowland
Alpine barren

ECOLOGICAL ZONES

BREEDING RANGES

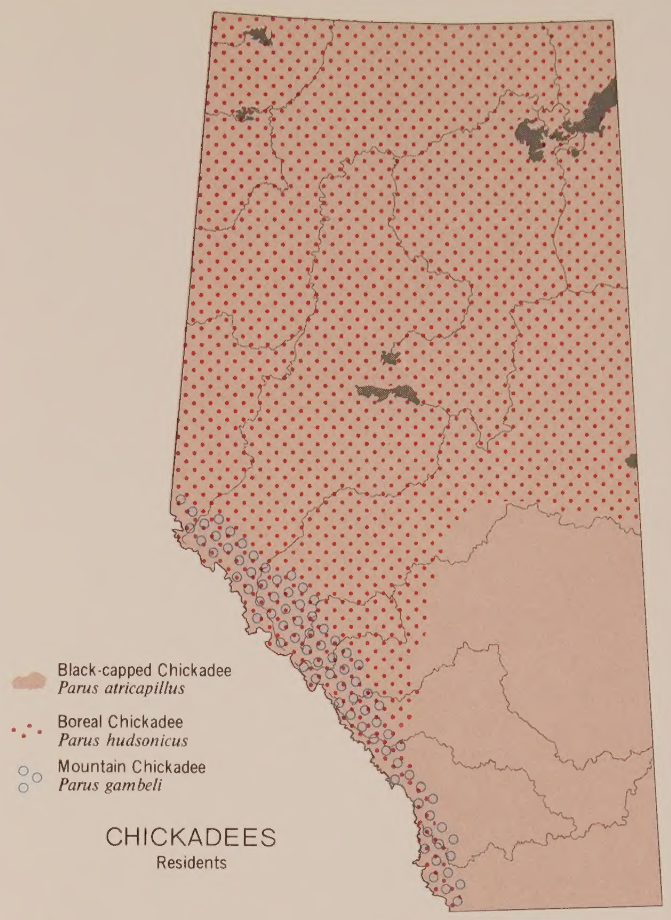

Gray Jay
Perisoreus canadensis
Blue Jay
Cyanocitta cristata

JAYS
Residents

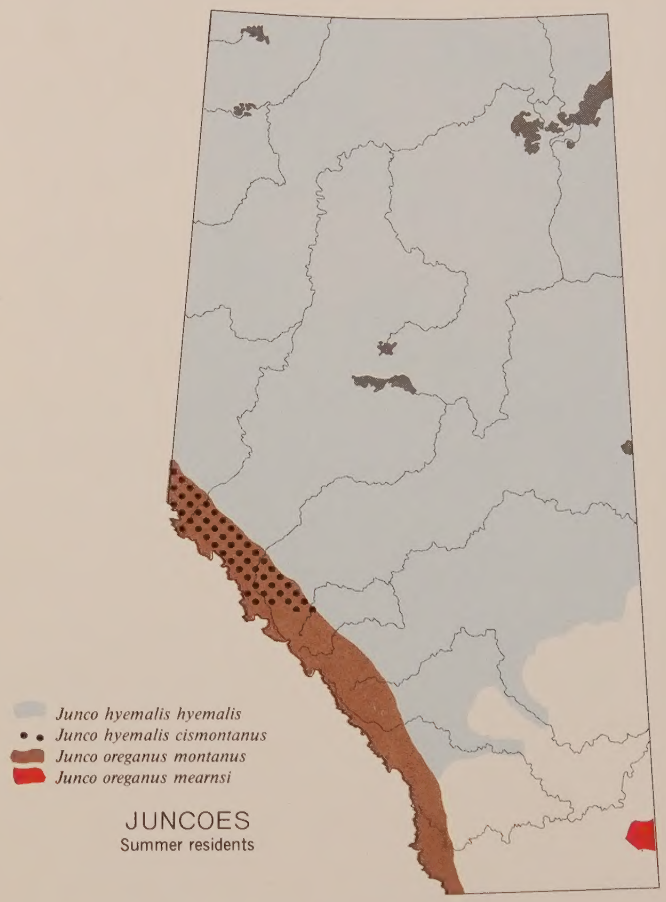

Solitary Sandpiper
Tringa solitaria
Lesser Yellowlegs
Totanus flavipes
Marbled Godwit
Limosa fedoa

SHOREBIRDS

BREEDING RANGES

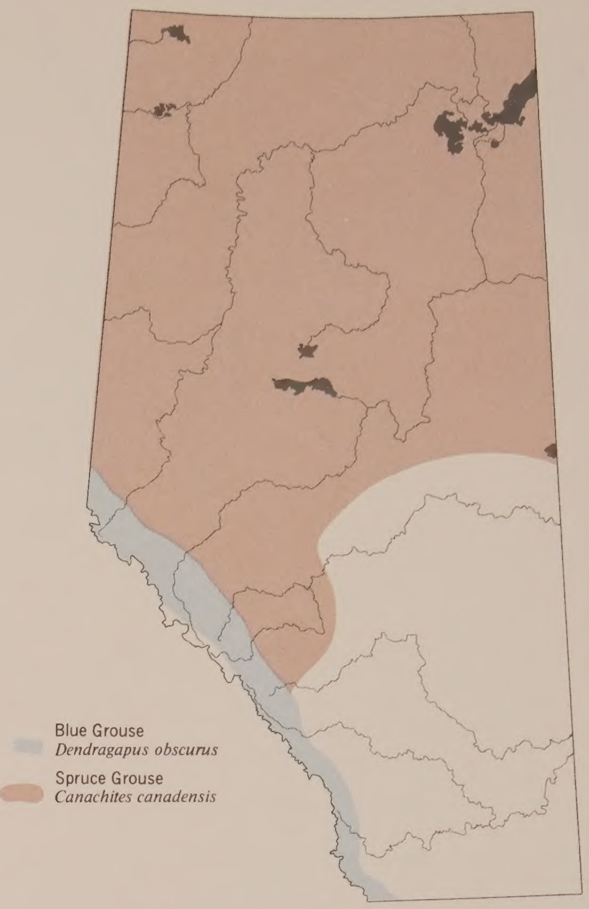

Black-capped Chickadee *Parus atricapillus*
Boreal Chickadee *Parus hudsonicus*
Mountain Chickadee *Parus gambeli*

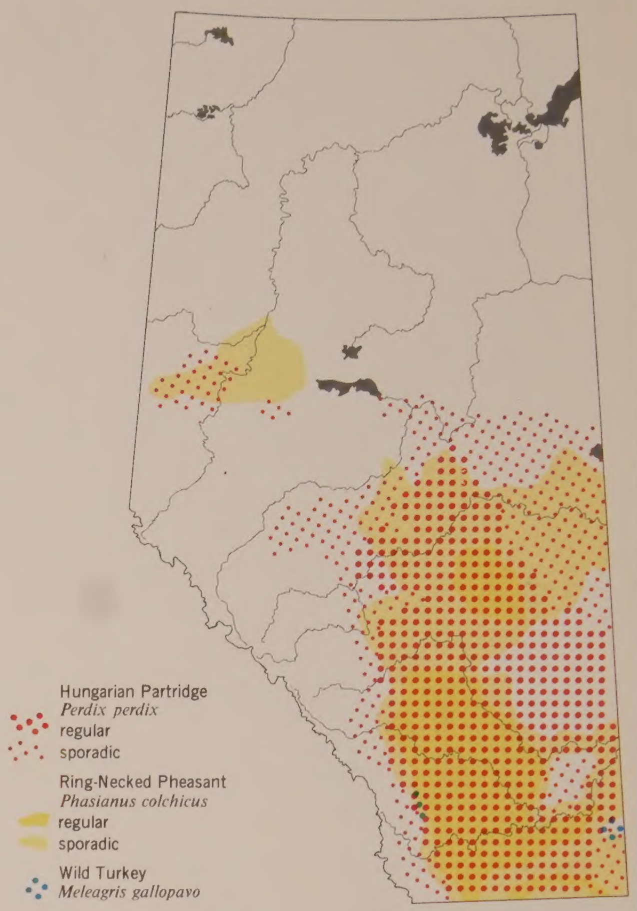
CHICKADEES
Residents

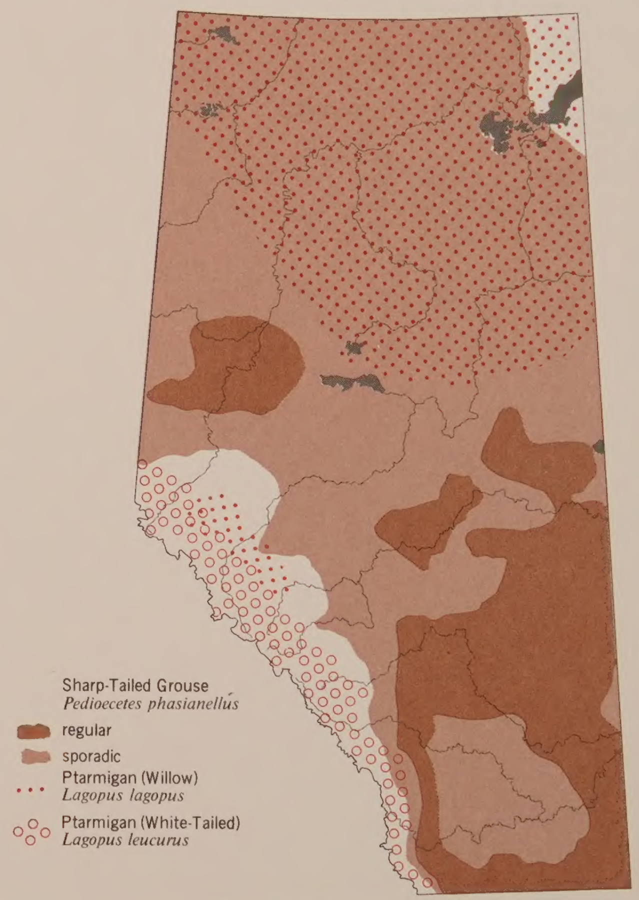

Junco hyemalis hyemalis
Junco hyemalis cismontanus
Junco oreganus montanus
Junco oreganus mearnsi

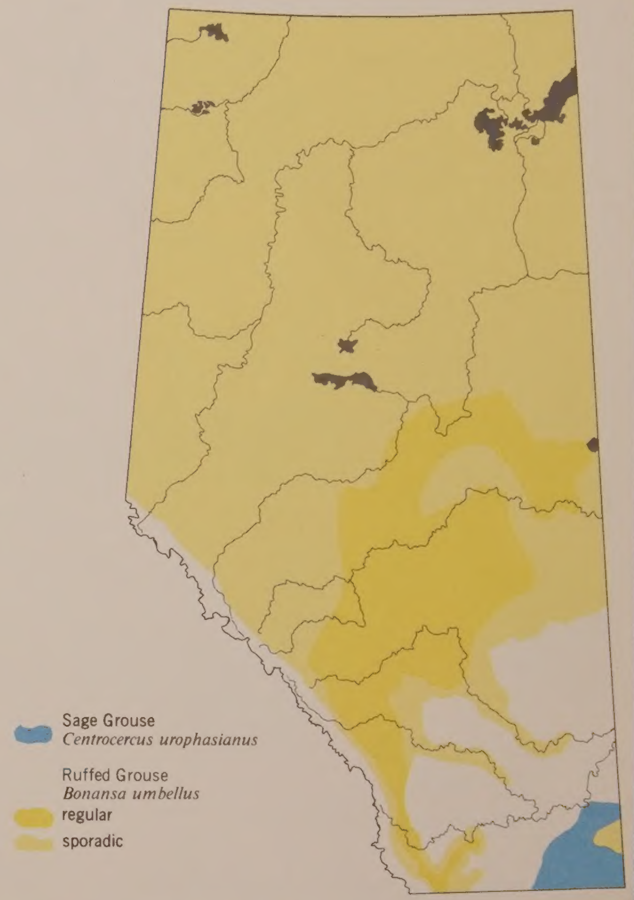
JUNCOES
Summer residents

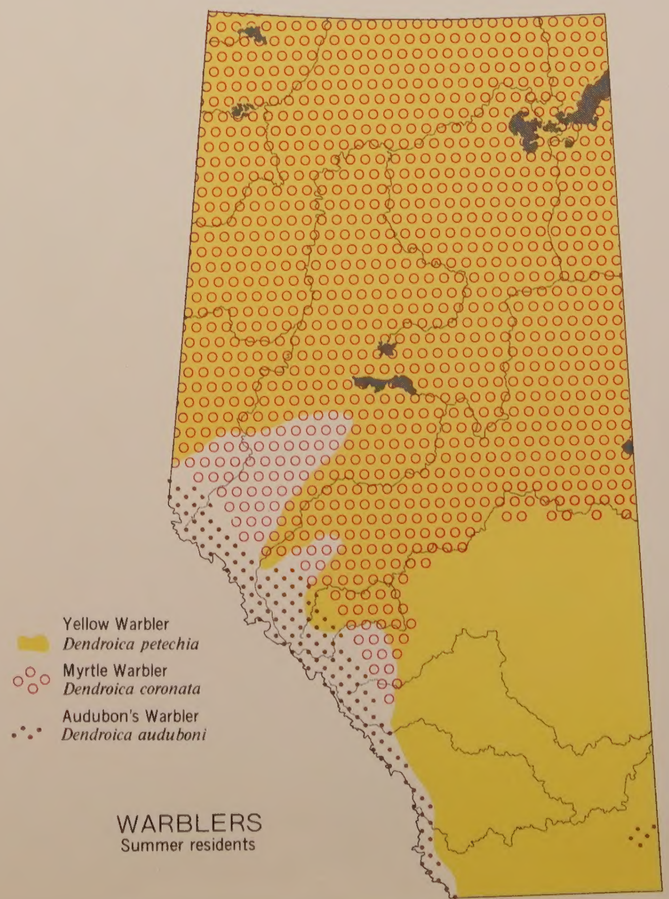
GAME BIRD DISTRIBUTIONS


Blue Grouse *Dendragapus obscurus*
Spruce Grouse *Canachites canadensis*

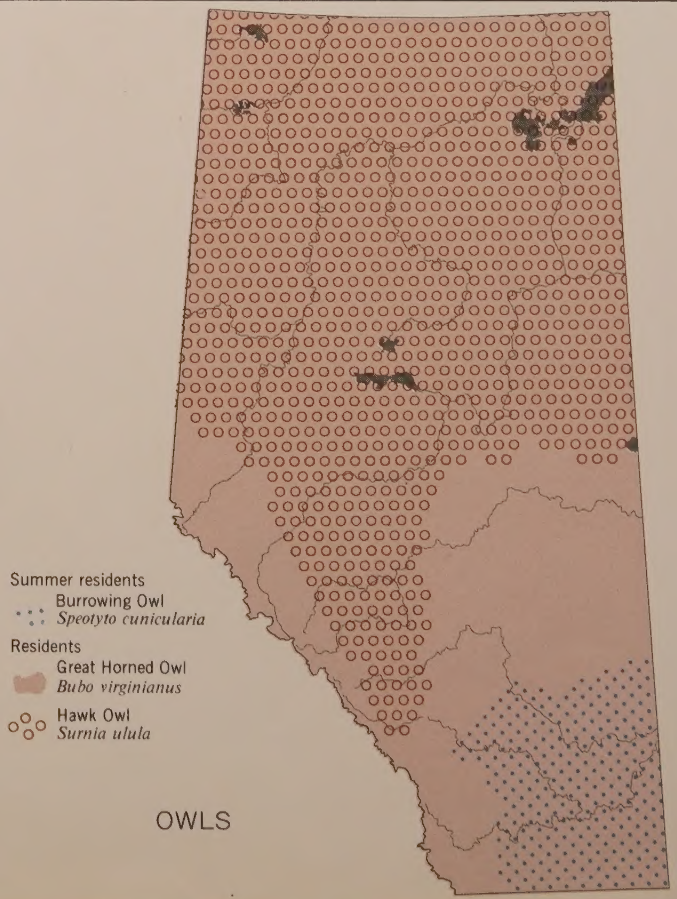

Hungarian Partridge *Perdix perdix*
regular
sporadic
Ring-Necked Pheasant *Phasianus colchicus*
regular
sporadic
Wild Turkey *Meleagris gallopavo*


Sharp-Tailed Grouse *Pedioecetes phasianellus*
regular
sporadic
Ptarmigan (Willow) *Lagopus lagopus*
Ptarmigan (White-Tailed) *Lagopus leucurus*

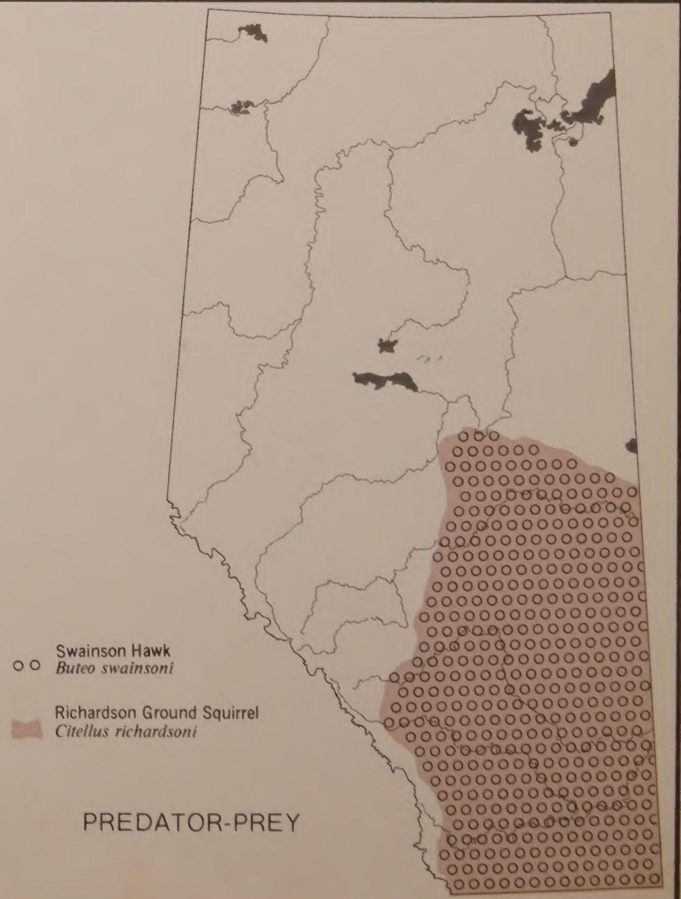

Sage Grouse *Centrocercus urophasianus*
Ruffed Grouse *Bonansa umbellus*
regular
sporadic


Yellow Warbler *Dendroica petechia*
Myrtle Warbler *Dendroica coronata*
Audubon's Warbler *Dendroica auduboni*

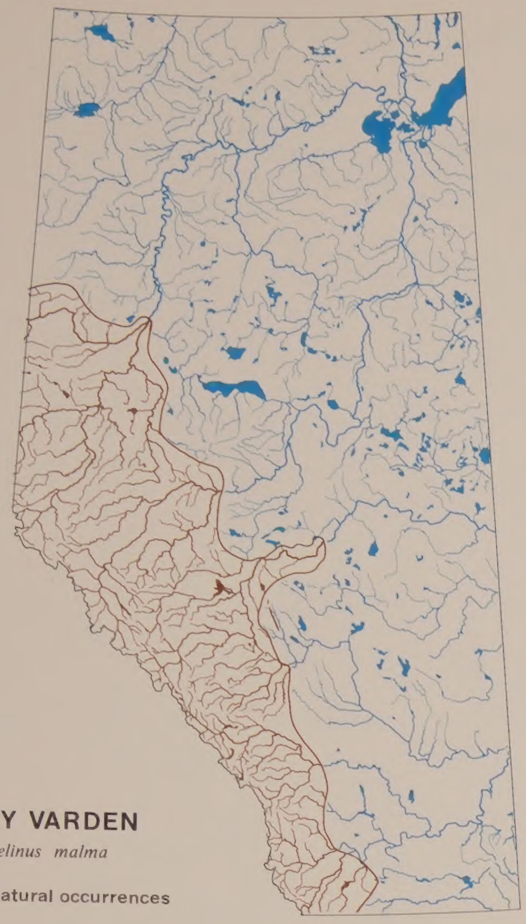
WARBLERS
Summer residents


Summer residents
Burrowing Owl *Speotyto cunicularia*
Residents
Great Horned Owl *Bubo virginianus*
Hawk Owl *Surnia ulula*

OWLS


Swainson Hawk *Buteo swainsoni*
Richardson Ground Squirrel *Citellus richardsoni*

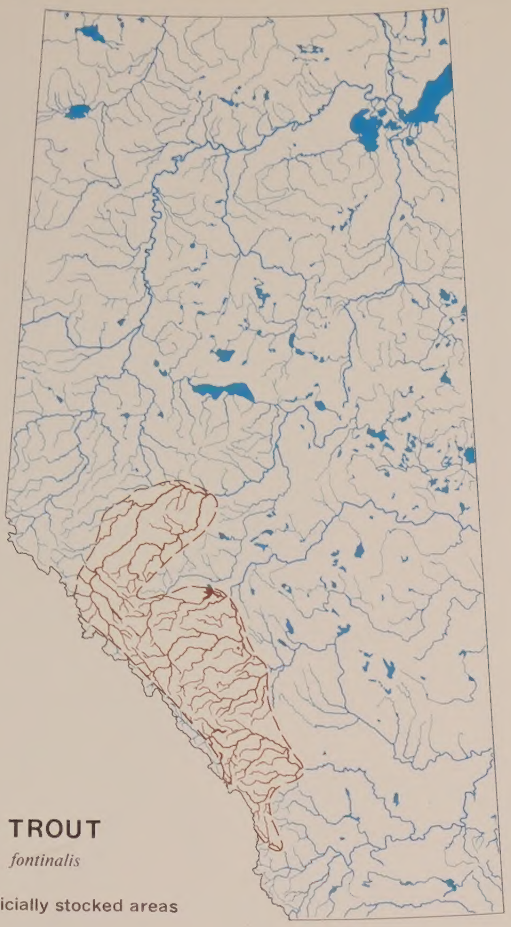
PREDATOR-PREY



DOLLY VARDEN

Salvelinus malma

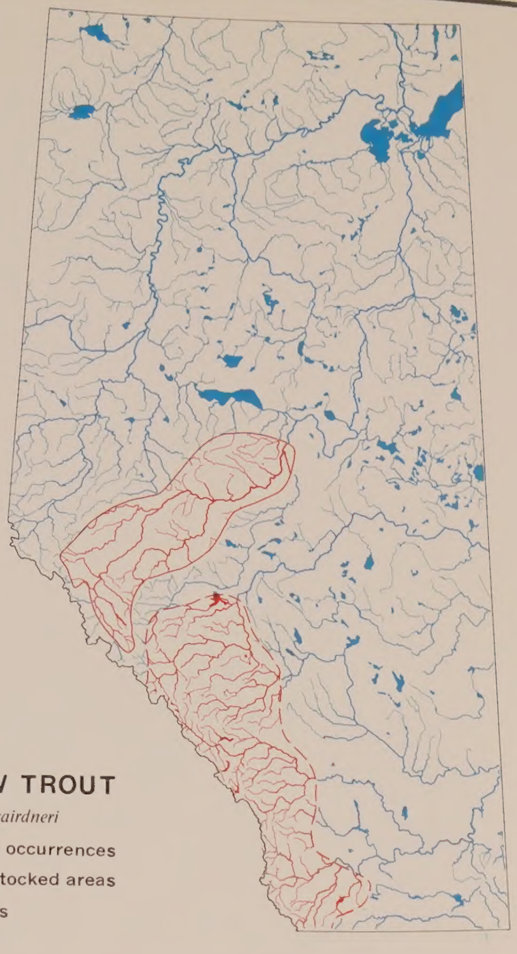
▨ natural occurrences



BROOK TROUT

Salvelinus fontinalis

▨ artificially stocked areas



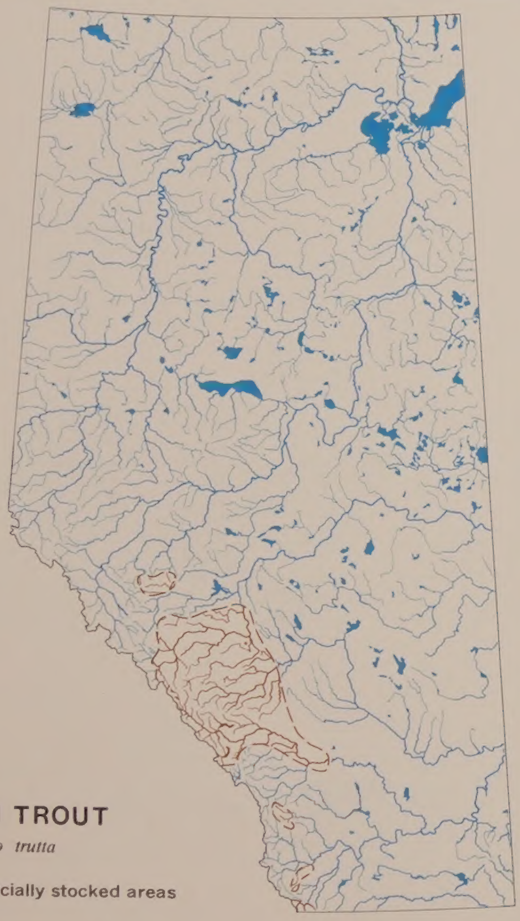
RAINBOW TROUT

Salmo gairdneri

▨ natural occurrences

artificially stocked areas

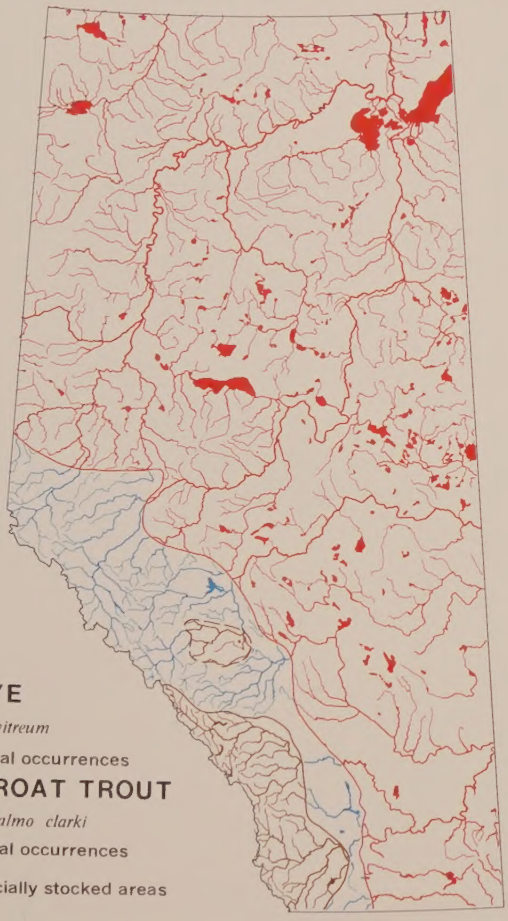
▨ streams



BROWN TROUT

Salmo trutta

▨ artificially stocked areas



WALLEYE

Stizostedion vitreum

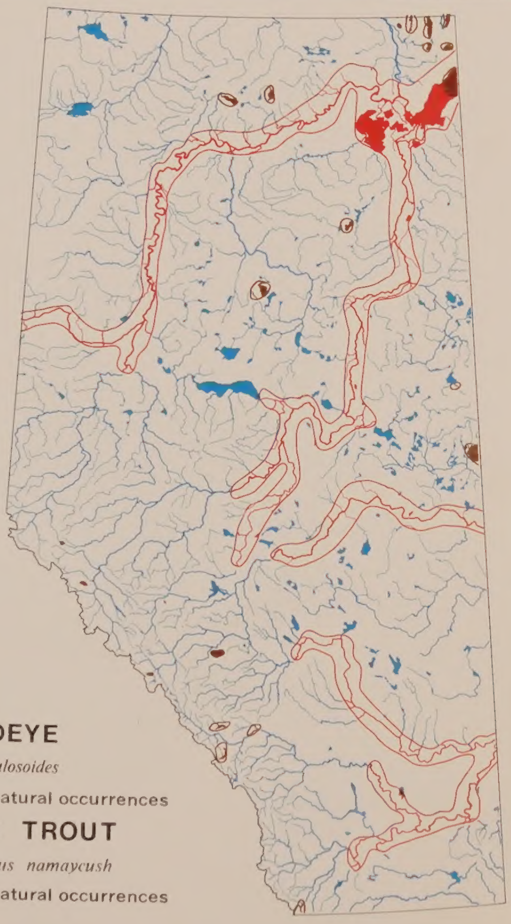
▨ natural occurrences

CUTTHROAT TROUT

Salmo clarki

▨ natural occurrences

▨ artificially stocked areas



GOLDEYE

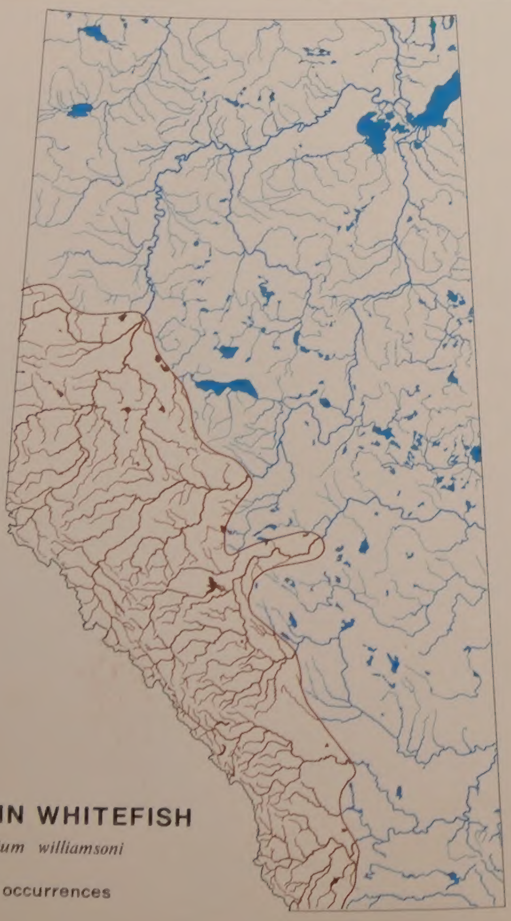
Hiodon alosoides

▨ natural occurrences

LAKE TROUT

Salvelinus namaycush

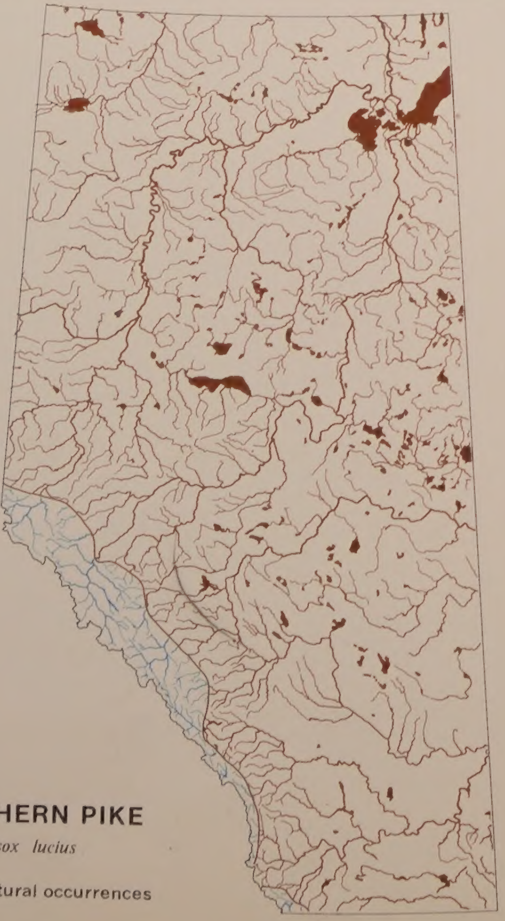
▨ natural occurrences



MOUNTAIN WHITEFISH

Prosopium williamsoni

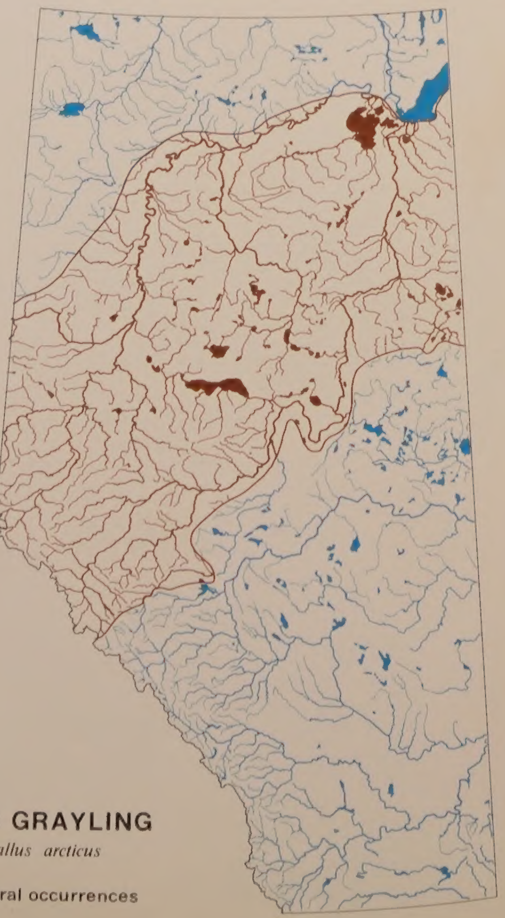
▨ natural occurrences



NORTHERN PIKE

Esox lucius

▨ natural occurrences



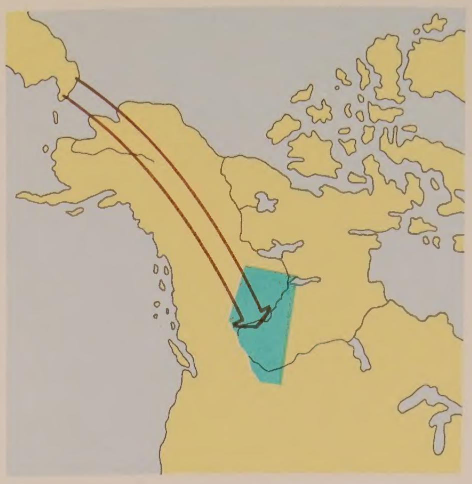
ARCTIC GRAYLING

Thymallus arcticus

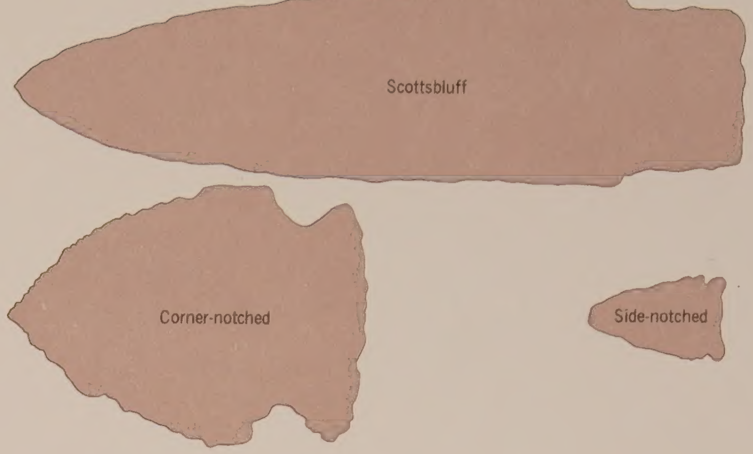
▨ natural occurrences

ARCHAEOLOGY

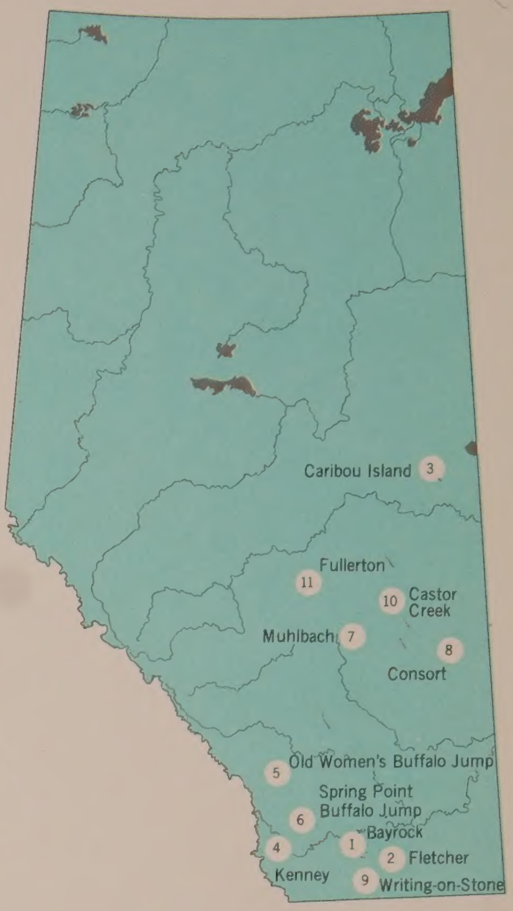
EARLY MIGRATION ROUTE



TYPES OF STONE POINTS


Scottsbluff
Corner-notched
Side-notched

ARCHAEOLOGICAL SITES


Caribou Island 3
Fullerton 11
10 Castor Creek
Muhlbach 7
8
Consort
5 Old Women's Buffalo Jump
6 Spring Point Buffalo Jump
1 Bayrock
4 Kenney
2 Fletcher
9 Writing-on-Stone

It is believed that the earliest Indians entered Alberta from the northwest, coming down from the Bering Straits area, as early as 25,000 years ago. There are, however, no known archaeological sites in Alberta which date as early as this. All evidence would have been destroyed by the glacier which later covered almost all of the province, causing the nomads to move southward.

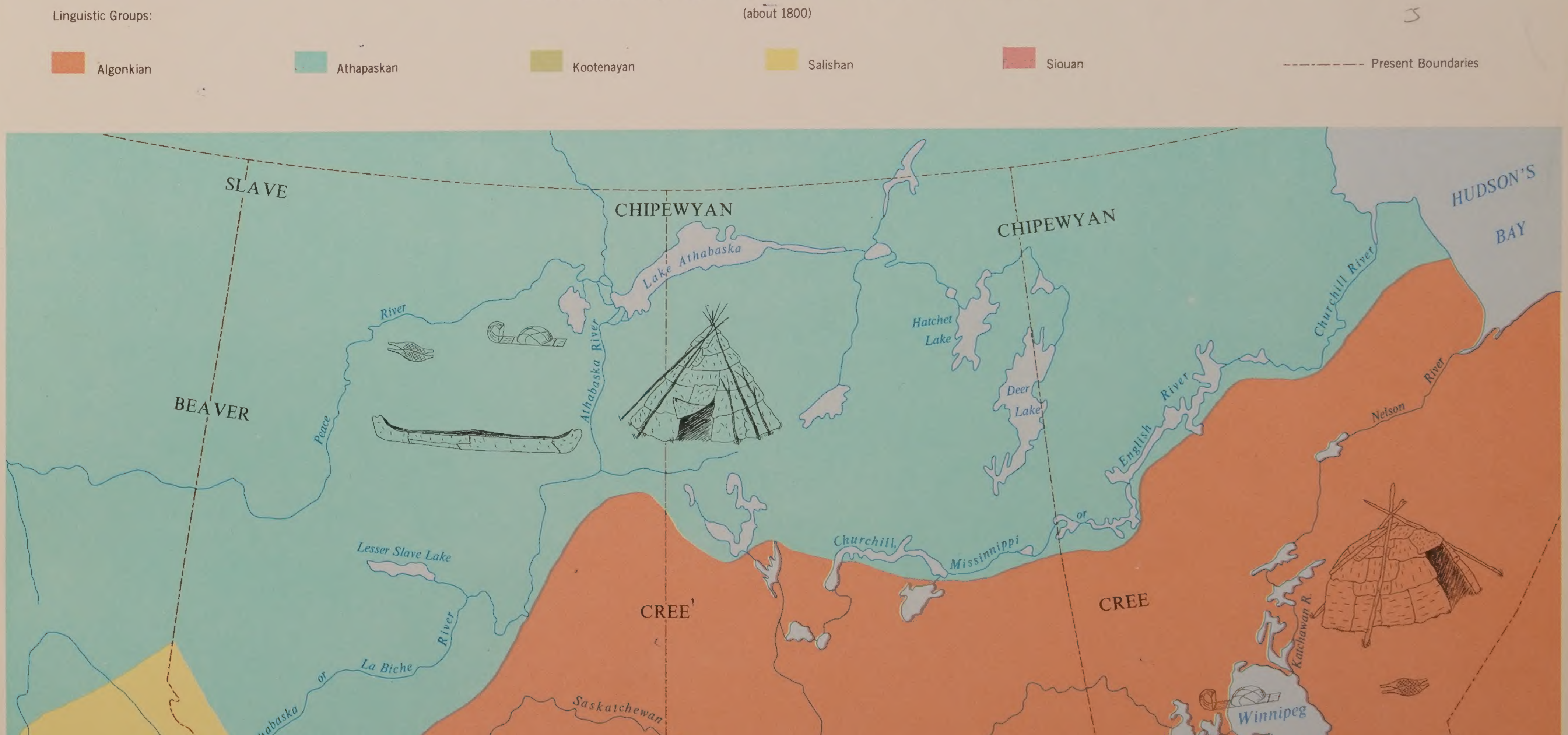
Bison hunters entered Alberta from the south in the early postglacial period and the Caribou Island Site (3) (see adjoining map) at Moose Lake represents the findings of this period. The earliest dated site in Alberta is the Bayrock Site (1), a bison kill near Taber which dates about 9,000 B.C. Long stone points (probably used as spearheads) and the bison bones found in the upper strata of the Bayrock Site and at the Fletcher Site (2) nearby, were deposited there about 7,000 B.C. The points are mostly of the Scottsbluff or related types which are widely distributed in southern and central Alberta as well as in the Peace River area.

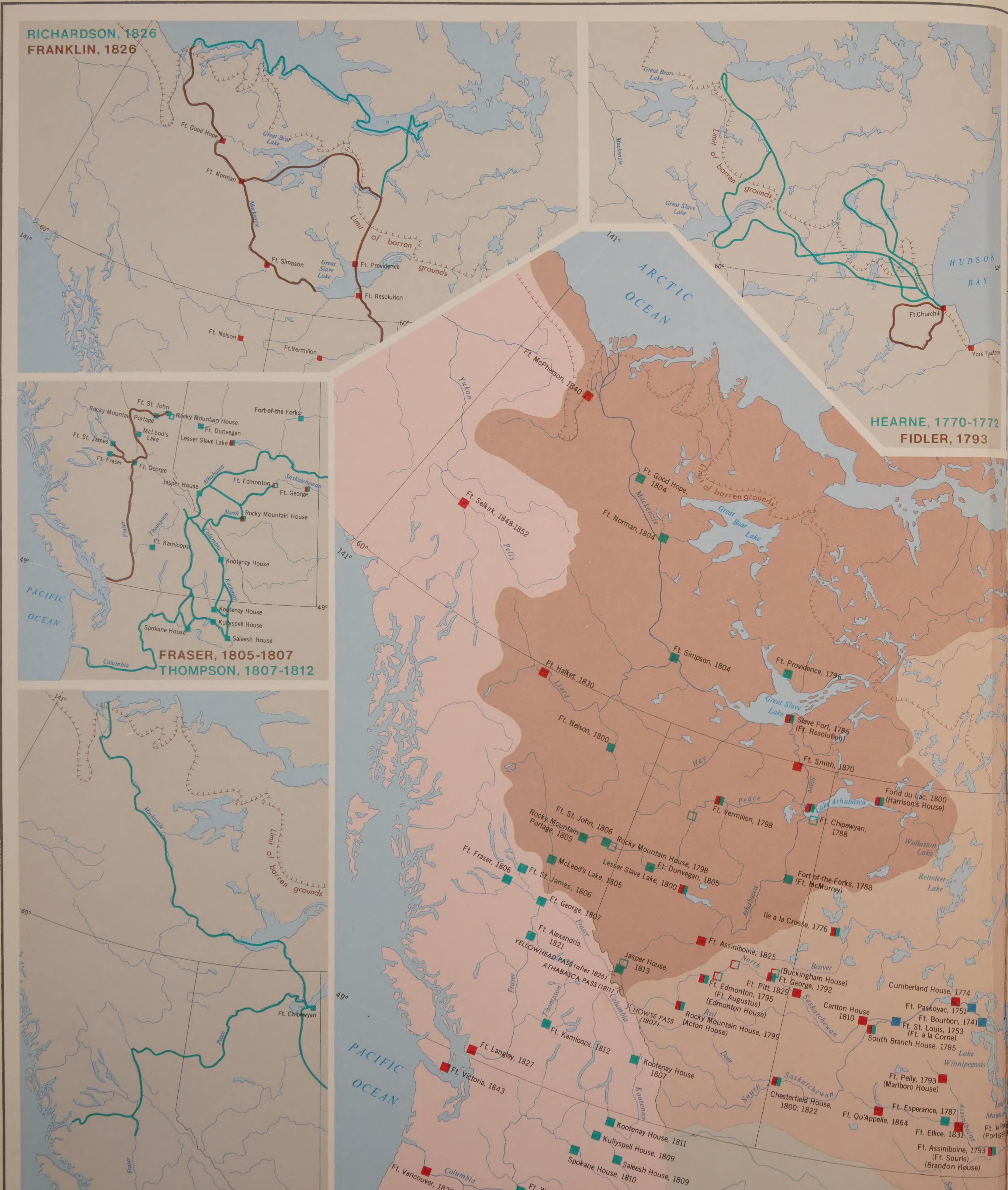
After about 5,000 B.C., points changed to various large side-notched or corner-notched styles. The Castor Creek Campsite (10) near Castor and the Fullerton Campsite (11) near Wetaskiwin represent the findings of this period.

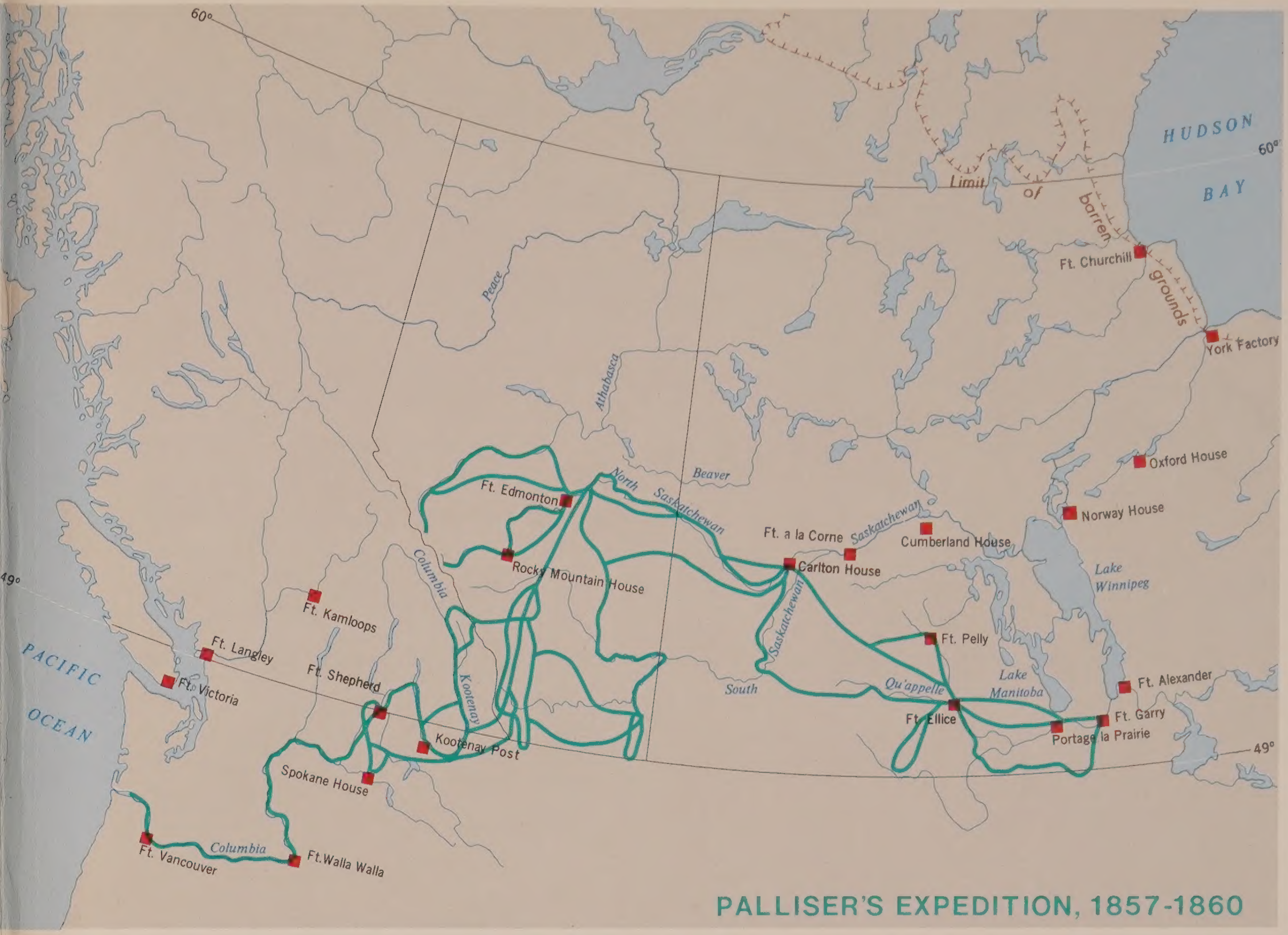
By the first century A.D., the Indians of the plains country had developed efficient techniques for taking large numbers of bison by driving the herds over a cliff or into a corral (pound). Two favourable locations, the Old Women's Buffalo Jump (5) near Cayley and the Spring Point Buffalo Jump (6) near Fort Macleod were used continuously over a period of about 1,500 years until the 16th century A.D. Another excavated site of this period is the Kenney Site (4) which consisted of a campsite occupied periodically over many centuries on the banks of Pincher Creek. The Muhlbach Site (7) near Stettler was a buffalo pound in flat country, used once around 600 A.D. By this time many of the stone points were small, corner-notched or side-notched types indicating that the bow and arrow were in use. Also dating in this late prehistoric period are the many tepee rings (circles of stones used to hold down the edges of skin tepees) and boulder effigies (boulders placed to form patterns) that dot the prairie in southern and central Alberta. An outstanding boulder effigy site is located on a high bluff northeast of Consort (8). Evidence of the art of these Indians is found in the stone paintings and carvings at Writing-on-Stone (9).

LANGUAGES, HOUSING AND TRANSPORTATION

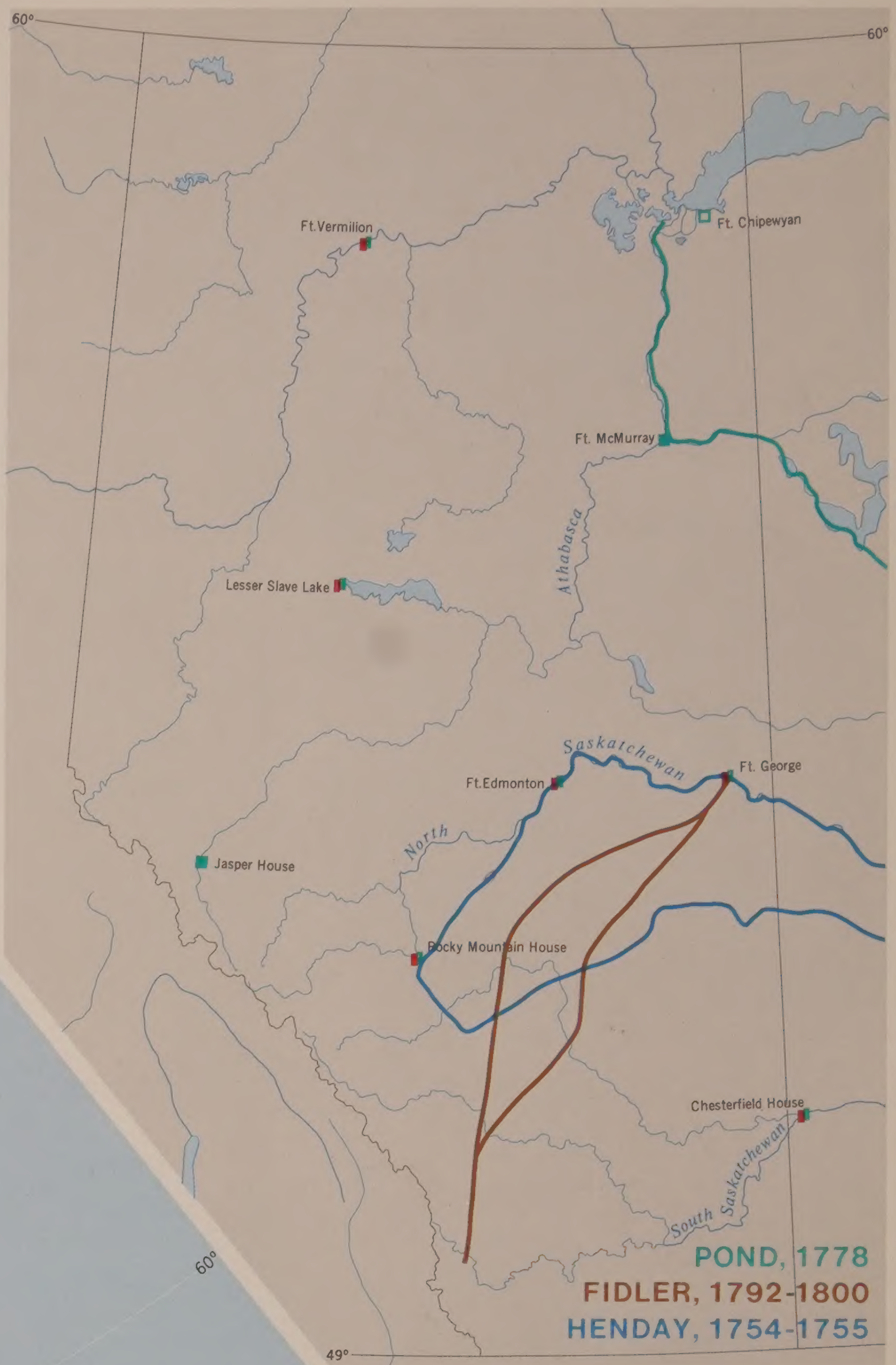
(about 1800)


Linguistic Groups:
Algonkian
Athapaskan
Kootenayan
Salishan
Siouan
Present Boundaries
SLAVE
CHIPEWYAN
CHIPEWYAN
HUDSON'S BAY
Lake Athabaska
River
Athabaska River
Peace
BEAVER
Hatchet Lake
Deer Lake
Churchill River
English River
Nelson River
Lesser Slave Lake
Churchill, Missinnippi or
CREE
CREE
River
La Biche
Athabaska or
SARCEE
Saskatchewan
River
Battle River
North Branch
Katchawan R.
Winnipeg Lake
Winnipigoos Lake
OJIBWAY
SHUSWAP
ASSINIBOINE (Stony)
BLACKFOOT (Blackfoot) (Blood) (Peigan)
ASSINIBOINE
Red Deers River
Bow or Askow River
Saskatchewan R. South Branch
Qu'appelle or Calling R.
Manitoba Lake
Red River
Winnipeg River
Assiniboine River
Mouse River
Red River
KOOTENAY


RICHARDSON, 1826
FRANKLIN, 1826
Ft. Good Hope
Great Bear Lake
Ft. Norman
Mackenzie
Limit of barren grounds
Ft. Simpson
Great Slave Lake
Ft. Providence
Ft. Resolution
Ft. Nelson
Ft.Vermilion
141°
60°
Great Bear Lake
Mackenzie
Limit of barren grounds
Great Slave Lake
HUDSON BAY
Ft.Churchill
York Factory
HEARNE, 1770-1772
FIDLER, 1793
Ft. St. John
Rocky Mountain Portage
Rocky Mountain House
Fort-of-the Forks
McLeod's Lake
Ft. Dunvegan
Lesser Slave Lake
Ft. St. James
Ft. Fraser
Ft. George
Jasper House
Athabasca
Ft. Edmonton
Saskatchewan
Ft. George
North
Rocky Mountain House
Fraser
Thompson
Columbia
Ft. Kamloops
Kootenay House
Kootenay
49°
PACIFIC OCEAN
Kootenay House
Kullyspell House
Spokane House
Saleesh House
Columbia
FRASER, 1805-1807
THOMPSON, 1807-1812
141°
Mackenzie
Limit of barren grounds
60°
Ft. Chipewyan
Peace
Fraser
49°
PACIFIC OCEAN
MACKENZIE, 1789-1793
ARCTIC OCEAN
141°
Ft. McPherson, 1840
Yukon
Ft. Good Hope, 1804
Limit of barren grounds
Great Bear Lake
Mackenzie
Ft. Norman, 1804
Ft. Selkirk, 1848-1852
Pelly
141°
60°
Ft. Simpson, 1804
Ft. Providence, 1796
Ft. Halkett, 1830
Liard
Great Slave Lake
Slave Fort, 1786 (Ft. Resolution)
Ft. Nelson, 1800
Hay
Ft. Smith, 1870
Slave
Peace
Ft. Vermilion, 1798
Lake Athabasca
Fond du Lac, 1800 (Harrison's House)
Ft. Chipewyan, 1788
Wollaston Lake
Ft. St. John, 1806
Rocky Mountain Portage, 1805
Rocky Mountain House, 1798
Ft. Dunvegan, 1805
Lesser Slave Lake, 1800
McLeod's Lake, 1805
Ft. Fraser, 1806
Ft. St. James, 1806
Ft. George, 1807
Athabasca
Fort-of-the-Forks, 1788 (Ft. McMurray)
Reindeer Lake
Ile a la Crosse, 1776
Fraser
Ft. Alexandria, 1821
Ft. Assiniboine, 1825
YELLOWHEAD PASS (after 1825)
ATHABASCA PASS (1811)
Jasper House, 1813
North
Beaver
(Buckingham House)
Ft. George, 1792
Ft. Pitt, 1829
Ft. Edmonton, 1795 (Ft. Augustus) (Edmonton House)
Cumberland House, 1774
Ft. Paskoyac, 1751
Ft. Bourbon, 1741
Fraser
Thompson
Columbia
HOWSE PASS (1807)
Red
Rocky Mountain House, 1799 (Acton House)
Saskatchewan
Carlton House 1810
Ft. St. Louis, 1753 (Ft. a la Corne)
South Branch House, 1785
Lake Winnipegosis
Ft. Kamloops, 1812
Deer
49°
PACIFIC OCEAN
Ft. Langley, 1827
Kootenay House 1807
Ft. Victoria, 1843
Kootenay
South
Saskatchewan
Chesterfield House, 1800; 1822
Ft. Pelly, 1793 (Marlboro House)
Ft. Esperance, 1787
Ft. Qu'Appelle, 1864
Assiniboine
Lake Manito
Ft. Ellice, 1831
Ft. la Ri (Portage
Kootenay House, 1811
Kullyspell House, 1809
Saleesh House, 1809
Spokane House, 1810
Ft. Assiniboine, 1793 (Ft. Souris) (Brandon House)
Souris
Ft. Vancouver, 1825
Columbia
Ft. Walla Walla, 1817


60°
HUDSON BAY
Limit of barren grounds
Ft. Churchill
York Factory
Oxford House
Norway House
Lake Winnipeg
Peace
Athabasca
Beaver
Ft. Edmonton
North Saskatchewan
Rocky Mountain House
Ft. a la Corne
Carlton House
Cumberland House
Saskatchewan
South
Ft. Pelly
Qu'appelle
Ft. Ellice
Lake Manitoba
Ft. Alexander
Ft. Garry
Portage la Prairie
Columbia
Kootenay
Ft. Kamloops
Ft. Langley
Ft. Victoria
Ft. Shepherd
Kootenay Post
Spokane House
Ft. Vancouver
Ft. Walla Walla
PACIFIC OCEAN
49°

PALLISER'S EXPEDITION, 1857-1860


60°
Ft. Chipewyan
Ft. Vermilion
Ft. McMurray
Athabasca
Lesser Slave Lake
Ft. Edmonton
Saskatchewan
North
Ft. George
Jasper House
Rocky Mountain House
Chesterfield House
South Saskatchewan
49°

POND, 1778
FIDLER, 1792-1800
HENDAY, 1754-1755

EARLY WATER TRANSPORTATION AND THE FUR TRADE

TRADING POSTS

- 🟥 Hudson's Bay Company
- 🟩 North West Company
- 🟥🟩 Hudson's Bay Company and North West Company operating separately in the same vicinity.
- ☐ Site of earlier fort (later to be moved to a new location)
- 🟦 French (before 1763)

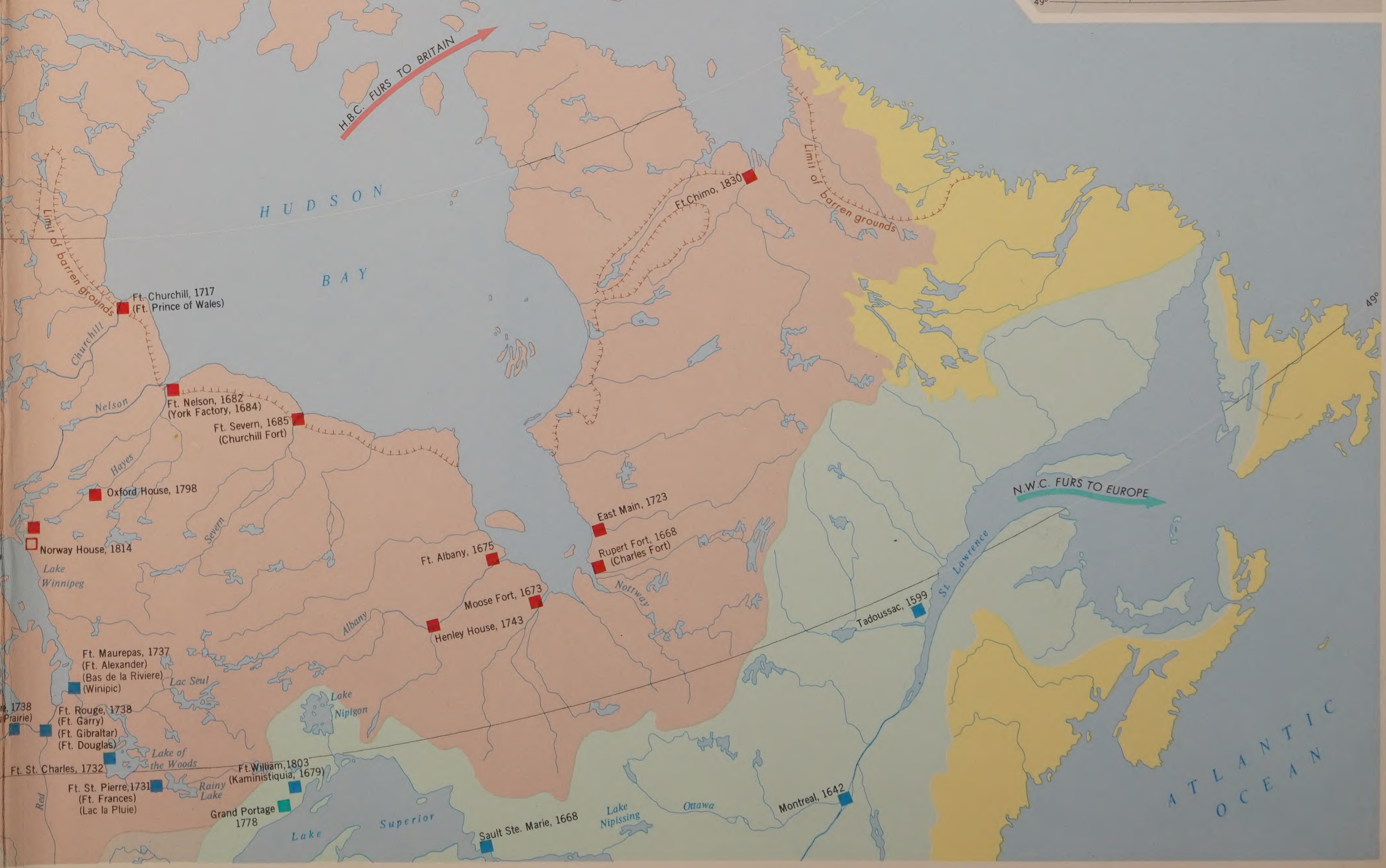
(The Hudson's Bay Company and the North West Company were united in 1821 operating under the name of the Hudson's Bay Company.)

DRAINAGE BASINS

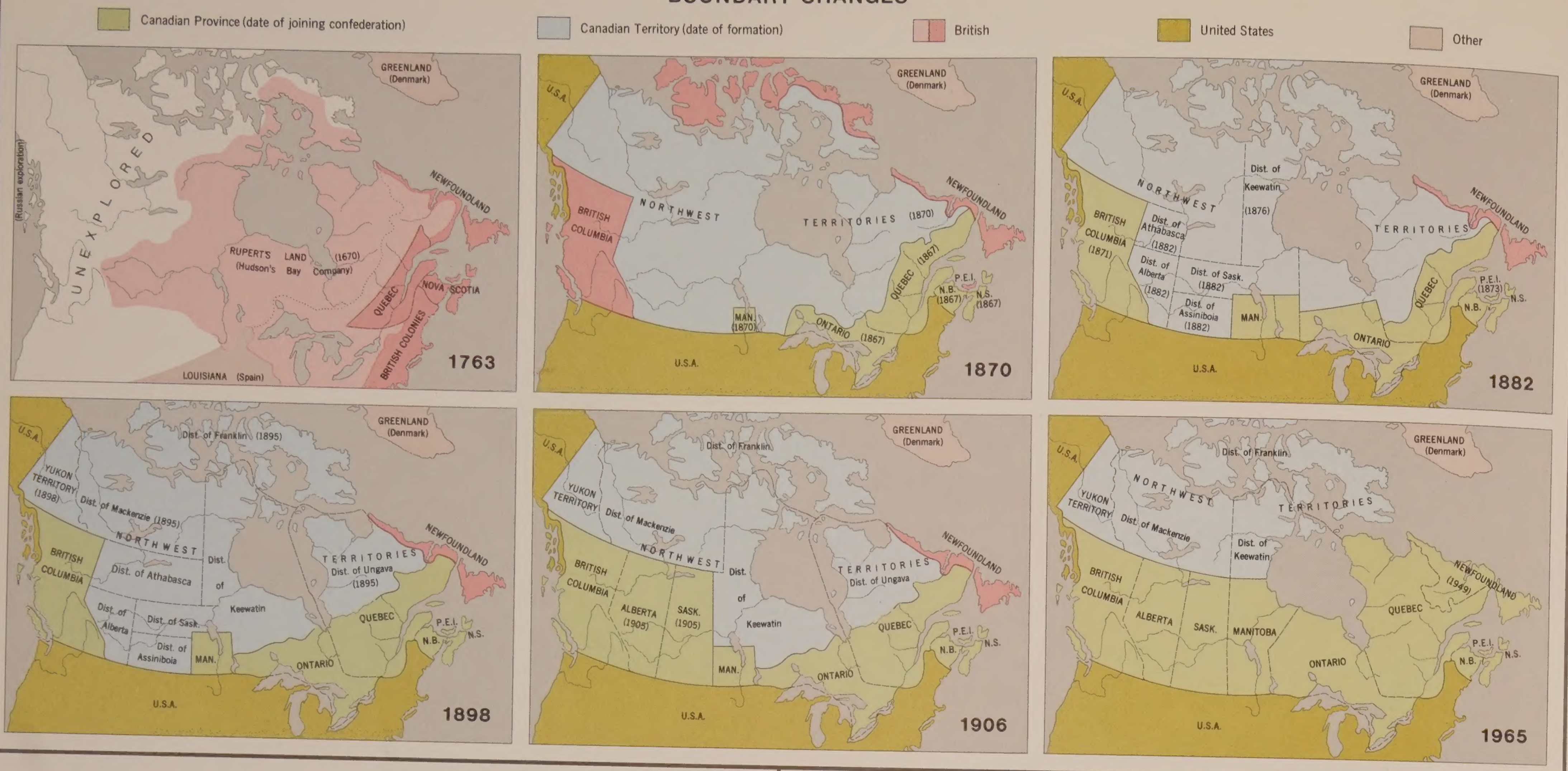
- Pacific
- Arctic
- Hudson Bay
- Atlantic
- St. Lawrence
- Mississippi

Limit of barren grounds

Within the barren grounds, the food supply was precarious for exploration parties.

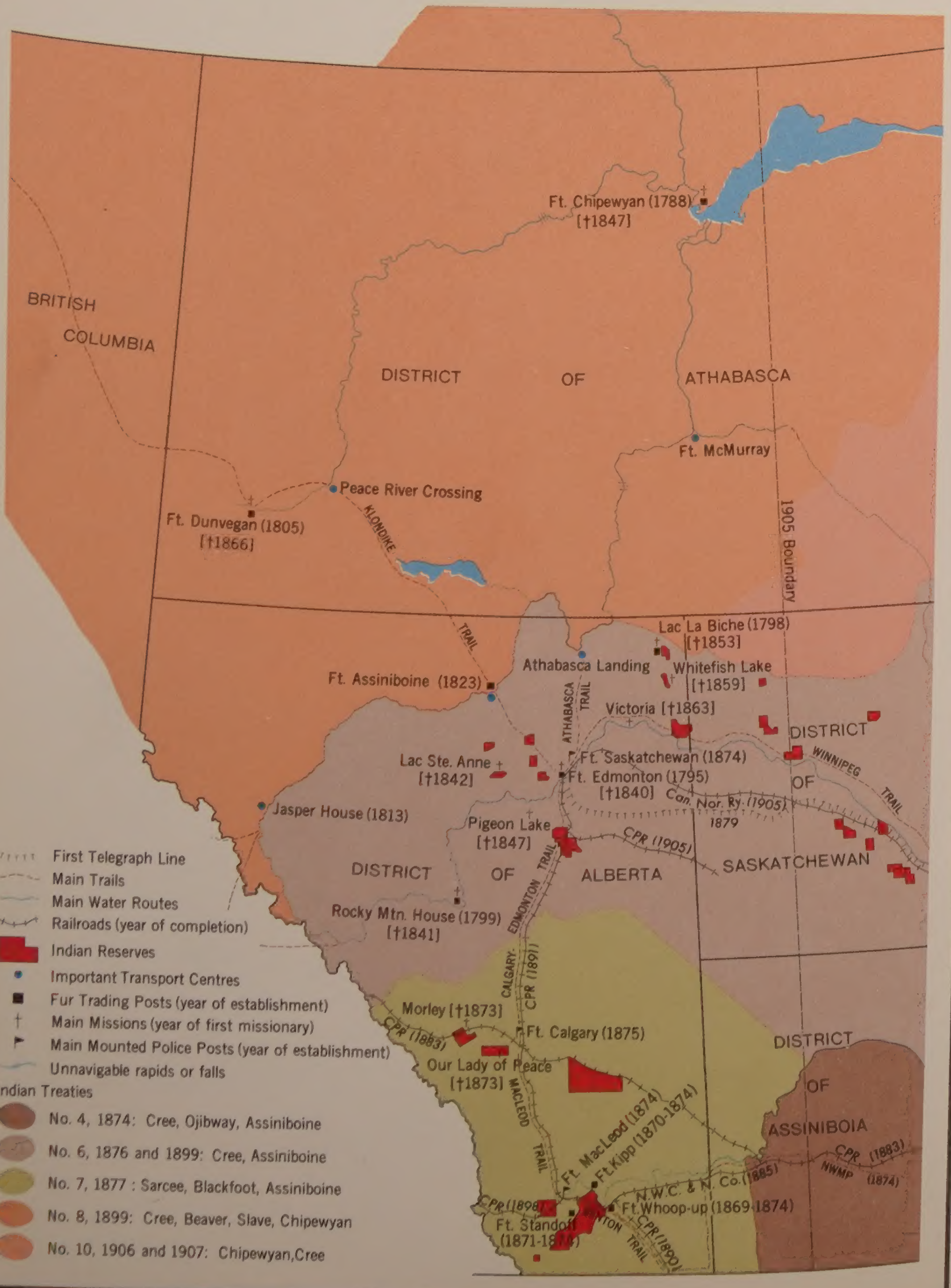

60°
H.B.C. FURS TO BRITAIN
HUDSON BAY
Limit of barren grounds
Ft. Chimo, 1830
Limit of barren grounds
Ft. Churchill, 1717 (Ft. Prince of Wales)
Churchill
Nelson
Ft. Nelson, 1682 (York Factory, 1684)
Ft. Severn, 1685 (Churchill Fort)
Hayes
Oxford House, 1798
Severn
Norway House, 1814
Lake Winnipeg
Ft. Albany, 1675
Albany
Moose Fort, 1673
Henley House, 1743
East Main, 1723
Rupert Fort, 1668 (Charles Fort)
Nottaway
N.W.C. FURS TO EUROPE
St. Lawrence
Tadoussac, 1599
49°
Ft. Maurepas, 1737 (Ft. Alexander) (Bas de la Riviere) (Winipic)
Lac Seul
Lake Nipigon
1738
Prairie)
Ft. Rouge, 1738 (Ft. Garry) (Ft. Gibraltar) (Ft. Douglas)
Lake of the Woods
Ft. St. Charles, 1732
Ft. William, 1803 (Kaministiquia, 1679)
Ft. St. Pierre, 1731 (Ft. Frances) (Lac la Pluie)
Rainy Lake
Grand Portage 1778
Red
Lake Superior
Sault Ste. Marie, 1668
Lake Nipissing
Ottawa
Montreal, 1642
ATLANTIC OCEAN

BOUNDARY CHANGES


Canadian Province (date of joining confederation)
Canadian Territory (date of formation)
British
United States
Other
1763
GREENLAND (Denmark)
UNEXPLORED
(Russian exploration)
RUPERTS LAND (1670) (Hudson's Bay Company)
NEWFOUNDLAND
QUEBEC
NOVA SCOTIA
BRITISH COLONIES
LOUISIANA (Spain)
1870
U.S.A.
NORTHWEST TERRITORIES (1870)
BRITISH COLUMBIA
MAN. (1870)
ONTARIO (1867)
QUEBEC (1867)
N.B. (1867)
N.S. (1867)
P.E.I.
1882
Dist. of Keewatin (1876)
Dist. of Athabasca (1882)
Dist. of Alberta (1882)
Dist. of Sask. (1882)
Dist. of Assiniboia (1882)
BRITISH COLUMBIA (1871)
P.E.I. (1873)
MAN.
ONTARIO
1898
YUKON TERRITORY (1898)
Dist. of Franklin (1895)
Dist. of Mackenzie (1895)
Dist. of Athabasca
Dist. of Keewatin
Dist. of Ungava (1895)
Dist. of Sask.
Dist. of Assiniboia
Dist. of Alberta
1906
YUKON TERRITORY
Dist. of Franklin
Dist. of Mackenzie
ALBERTA (1905)
SASK. (1905)
Dist. of Keewatin
Dist. of Ungava
1965
NORTHWEST TERRITORIES
Dist. of Franklin
Dist. of Mackenzie
Dist. of Keewatin
ALBERTA
SASK.
MANITOBA
QUEBEC
NEWFOUNDLAND (1949)
ONTARIO

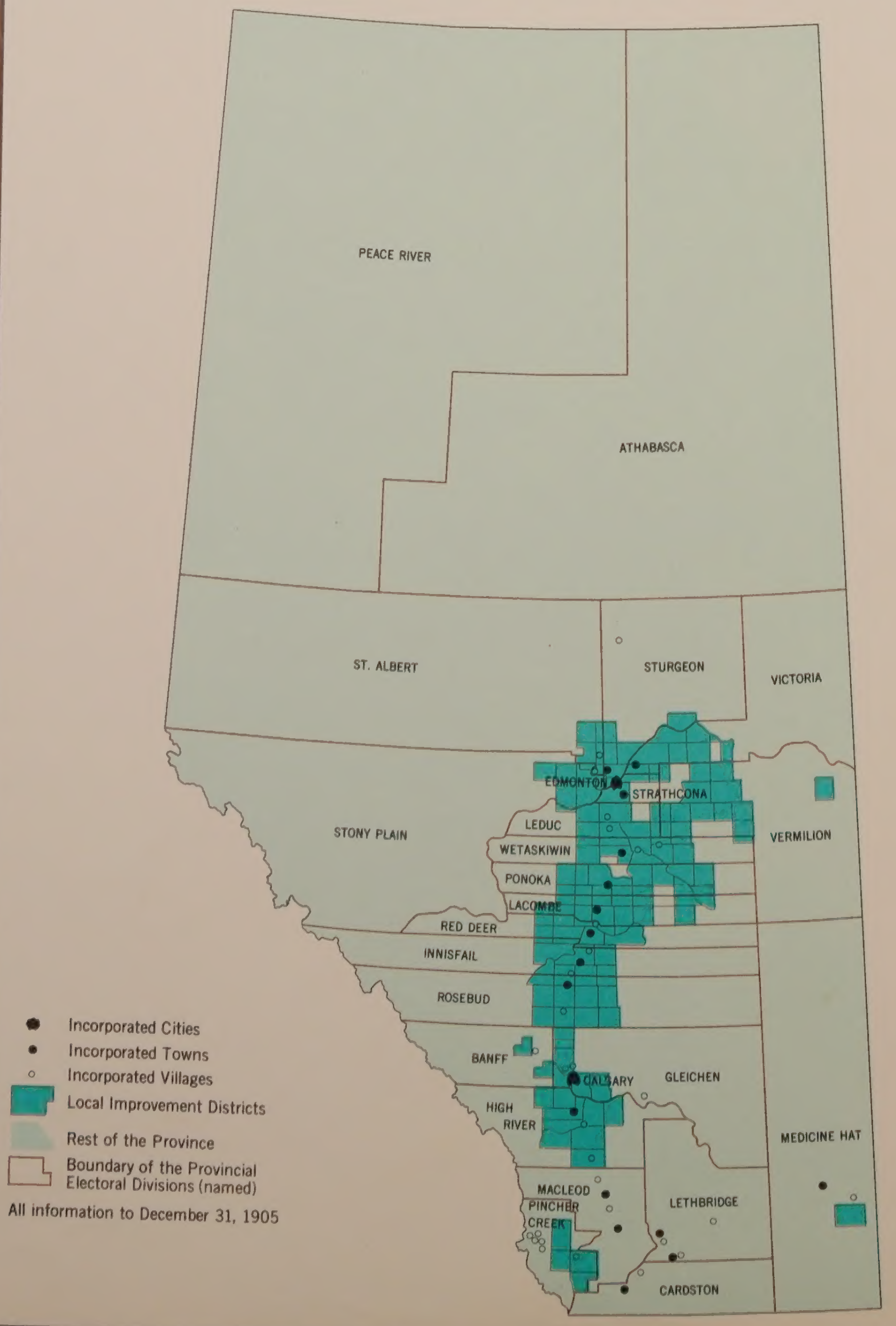
ALBERTA DURING THE TERRITORIAL PERIOD (1870-1905)

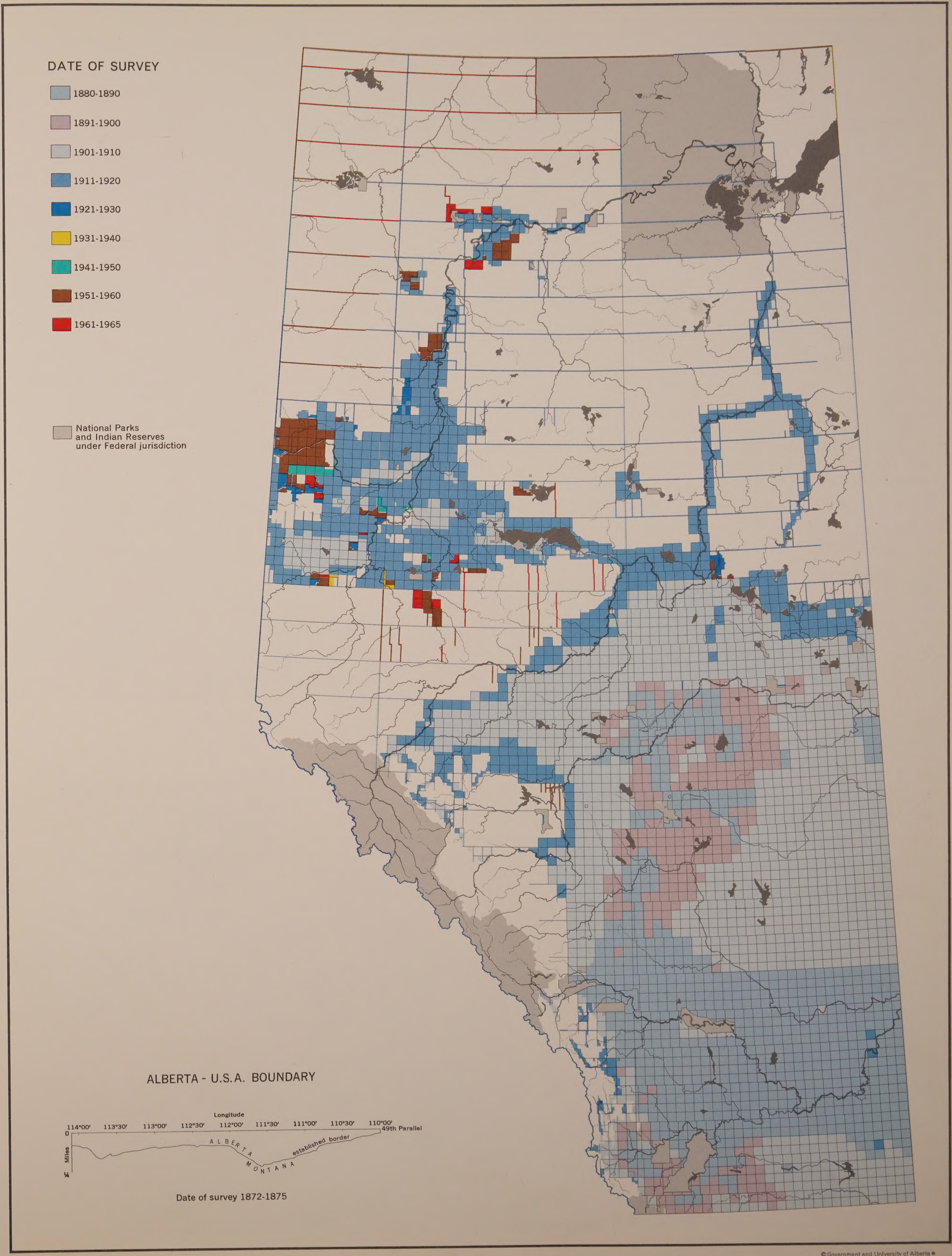
The provinces of Alberta and Saskatchewan were formed from the Northwest Territories Districts of Alberta, Assiniboia, Athabasca and Saskatchewan on September 1, 1905. This area had been governed since 1870 by a Lieutenant Governor and a council and after 1888 by an elected assembly. The Indians were persuaded to sign treaties whereby their vast lands were exchanged for small reserves plus various benefits. In 1874 the North West Mounted Police established posts in the territories to maintain law and order. Their work and that of the missionaries, helped to establish peaceful relations between the Indians and the white settlers.


BRITISH COLUMBIA
DISTRICT OF ATHABASCA
Ft. Chipewyan (1788) [†1847]
Ft. McMurray
Peace River Crossing
Ft. Dunvegan (1805) [†1866]
KLONDIKE TRAIL
1905 Boundary
Lac La Biche (1798) [†1853]
Athabasca Landing
Whitefish Lake [†1859]
Ft. Assiniboine (1823)
ATHABASCA TRAIL
Victoria [†1863]
DISTRICT OF SASKATCHEWAN
WINNIPEG TRAIL
Lac Ste. Anne [†1842]
Ft. Saskatchewan (1874)
Ft. Edmonton (1795) [†1840]
Can. Nor. Ry. (1905)
1879
Jasper House (1813)
Pigeon Lake [†1847]
CPR (1905)
DISTRICT OF ALBERTA
EDMONTON TRAIL
Rocky Mtn. House (1799) [†1841]
CALGARY
CPR (1891)
Morley [†1873]
CPR (1883)
Ft. Calgary (1875)
Our Lady of Peace [†1873]
MACLEOD TRAIL
DISTRICT OF ASSINIBOIA
Ft. MacLeod (1874)
Ft. Kipp (1870-1874)
N.W.C. & N. Co. (1885)
NWMP (1874)
CPR (1898)
Ft. Whoop-up (1869-1874)
Ft. Standoff (1871-1874)
CPR (1890)
First Telegraph Line
Main Trails
Main Water Routes
Railroads (year of completion)
Indian Reserves
Important Transport Centres
Fur Trading Posts (year of establishment)
Main Missions (year of first missionary)
Main Mounted Police Posts (year of establishment)
Unnavigable rapids or falls
Indian Treaties
No. 4, 1874: Cree, Ojibway, Assiniboine
No. 6, 1876 and 1899: Cree, Assiniboine
No. 7, 1877 : Sarcee, Blackfoot, Assiniboine
No. 8, 1899: Cree, Beaver, Slave, Chipewyan
No. 10, 1906 and 1907: Chipewyan, Cree

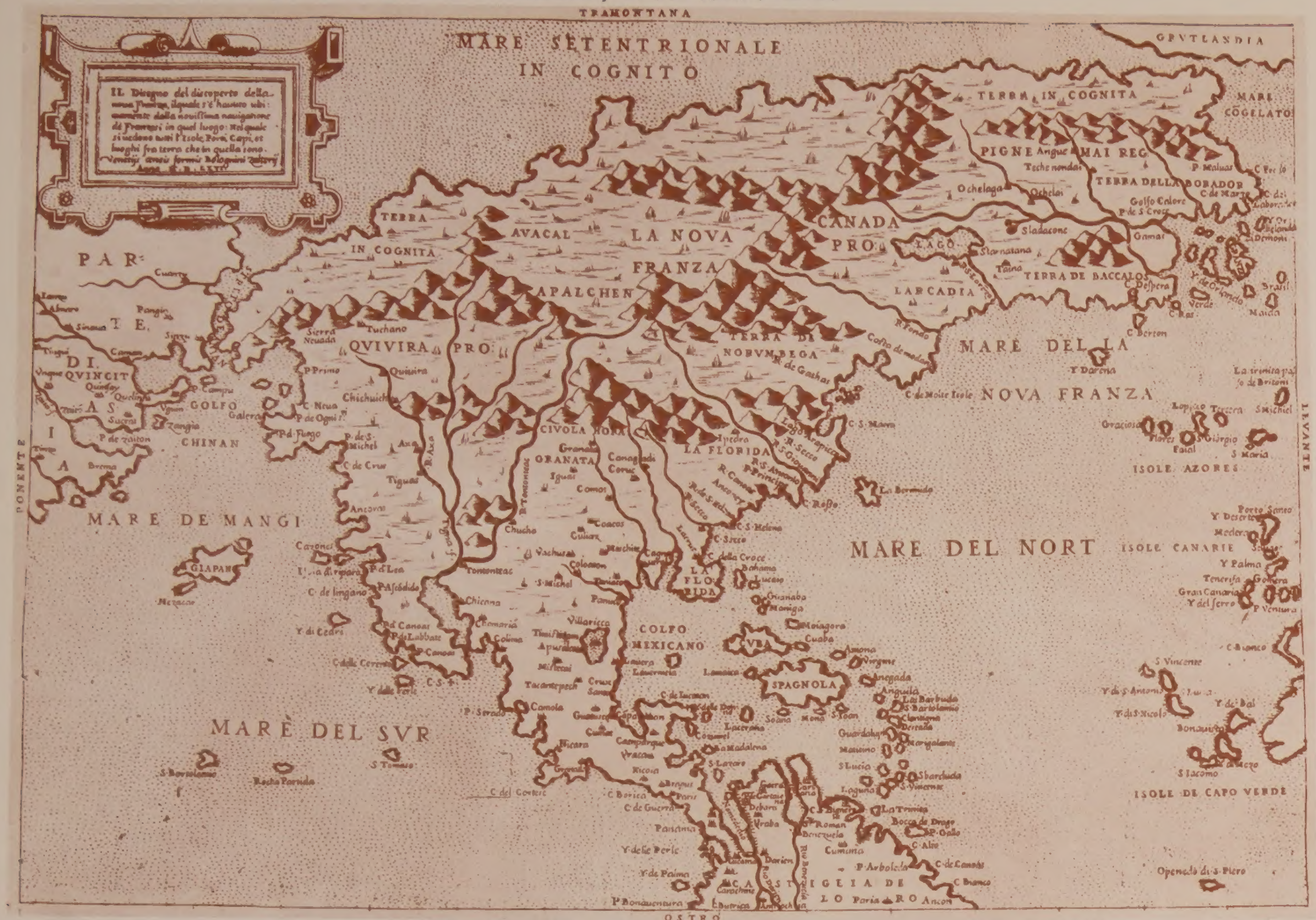
ALBERTA BECOMES A PROVINCE 1905

The creation of Alberta meant that the people now had greater powers of self-government. Each of 25 electoral divisions chose one representative to sit in the legislative assembly in Edmonton, the capital city. Municipal organization had begun in the territorial period and was extended after 1905. Urban centres were incorporated as cities, towns and villages; and rural areas became local improvement districts (later municipal districts). The residents could elect a council to collect taxes and use this money to provide roads, bridges and other services. By the end of 1905 two cities, sixteen towns, thirty villages and 104 local improvement districts were incorporated. Tax-supported school districts were organized separately.

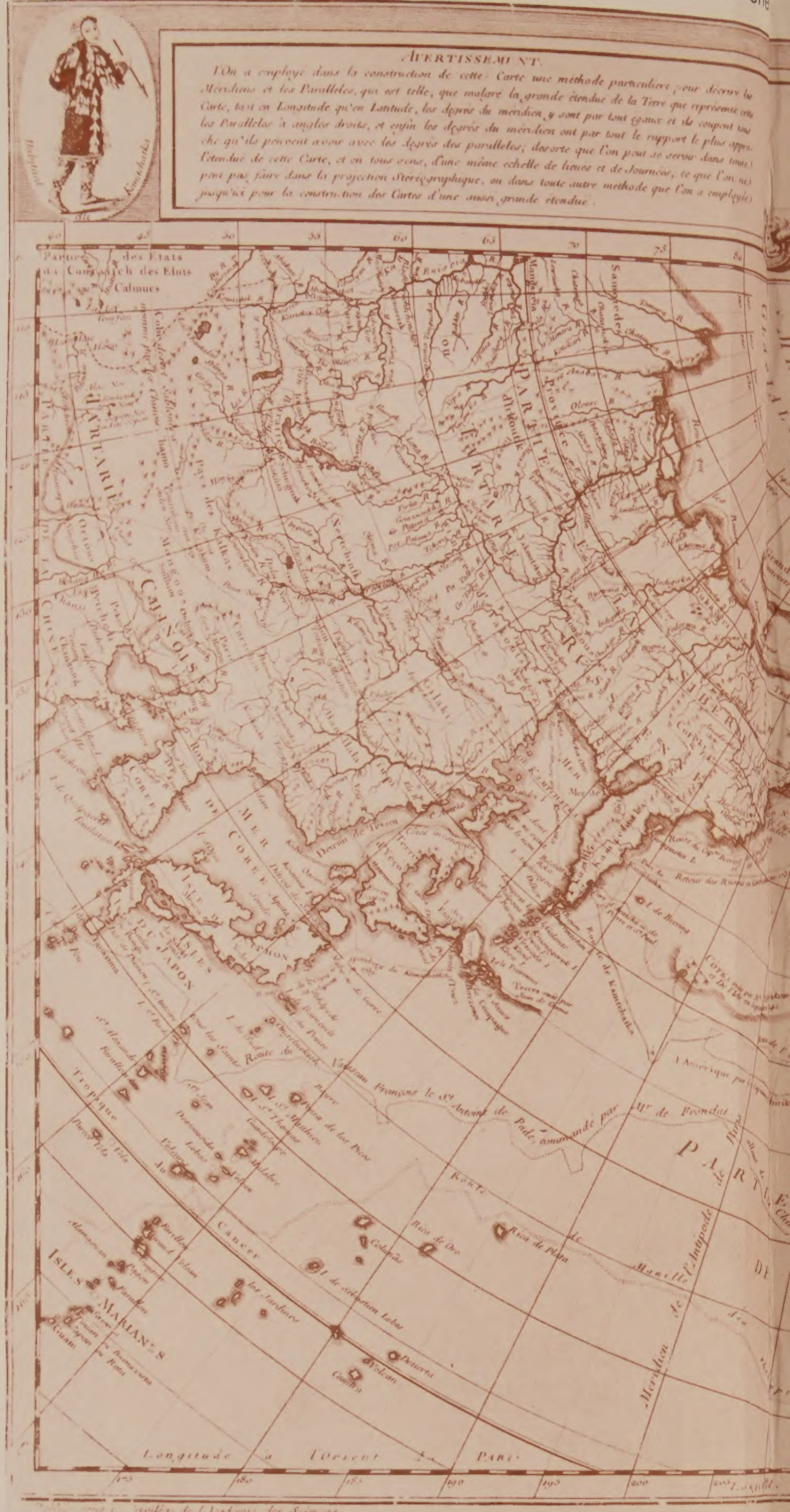

PEACE RIVER
ATHABASCA
ST. ALBERT
STURGEON
VICTORIA
EDMONTON
STRATHCONA
STONY PLAIN
LEDUC
WETASKIWIN
PONOKA
LACOMBE
VERMILION
RED DEER
INNISFAIL
ROSEBUD
BANFF
CALGARY
GLEICHEN
HIGH RIVER
MEDICINE HAT
MACLEOD
PINCHER CREEK
LETHBRIDGE
CARDSTON
Incorporated Cities
Incorporated Towns
Incorporated Villages
Local Improvement Districts
Rest of the Province
Boundary of the Provincial Electoral Divisions (named)
All information to December 31, 1905


DATE OF SURVEY
1880-1890
1891-1900
1901-1910
1911-1920
1921-1930
1931-1940
1941-1950
1951-1960
1961-1965
National Parks and Indian Reserves under Federal jurisdiction
ALBERTA - U.S.A. BOUNDARY
Longitude
114°00′
113°30′
113°00′
112°30′
112°00′
111°30′
111°00′
110°30′
110°00′
49th Parallel
0
Miles
¼
ALBERTA
MONTANA
established border
Date of survey 1872-1875

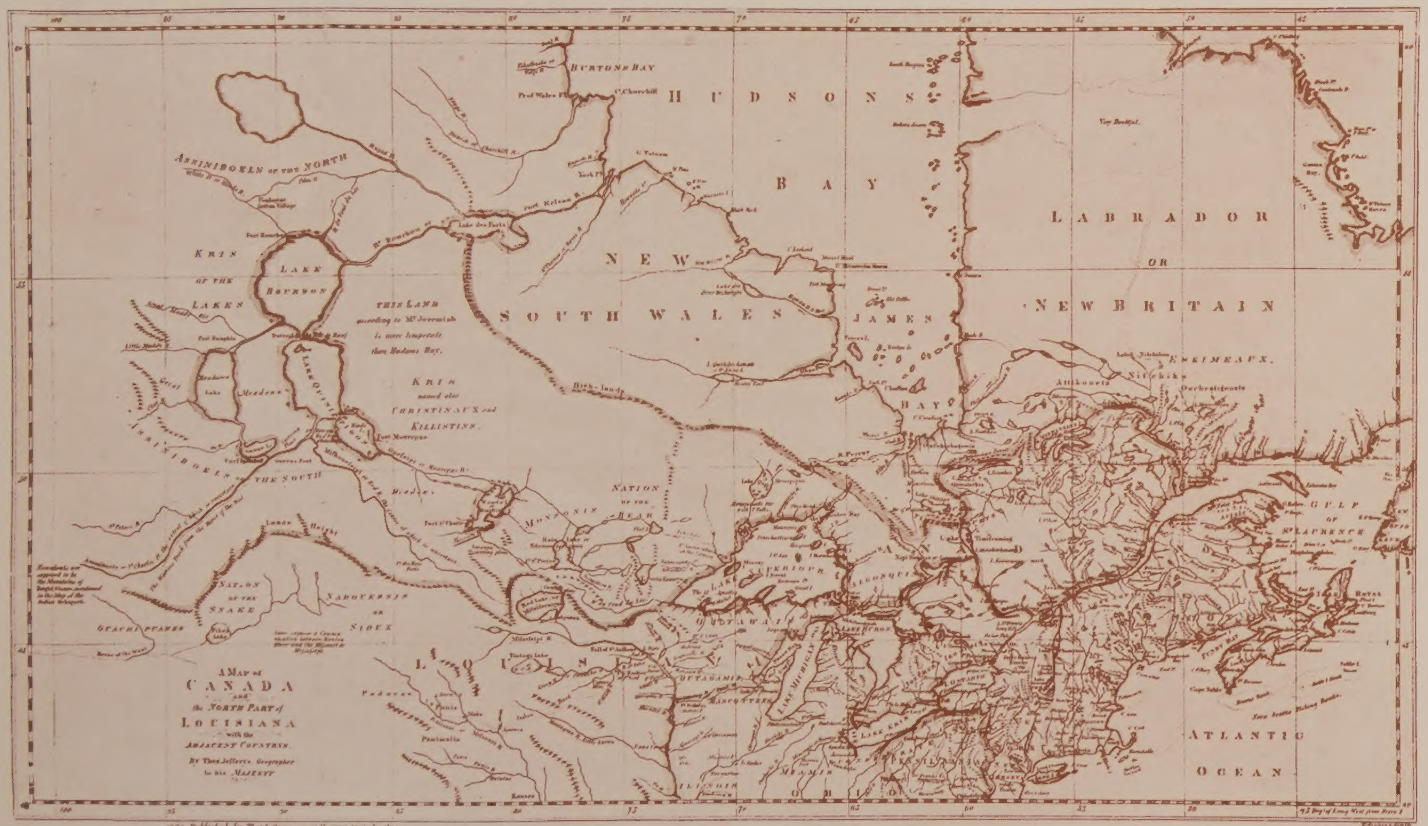
1567, BOLOGNINO ZALTIERI: "Map of Discovery of the New France"


TRAMONTANA
MARE SETENTRIONALE IN COGNITO
GENTLANDIA
TERRA IN COGNITA
CANADA
LA NOVA FRANZA
APALCHEN
QUIVIRA
TERRA DE BACCALOS
LABCADIA
MARE DEL LA NOVA FRANZA
LA FLORIDA
GOLFO MIXICANO
CVBA
SPAGNOLA
MARE DEL NORT
MARE DE MANGI
MARE DEL SVR
ISOLE AZORES
ISOLE CANARIE
ISOLE DE CAPO VERDE
PONENTE
LEVANTE
OSTRO

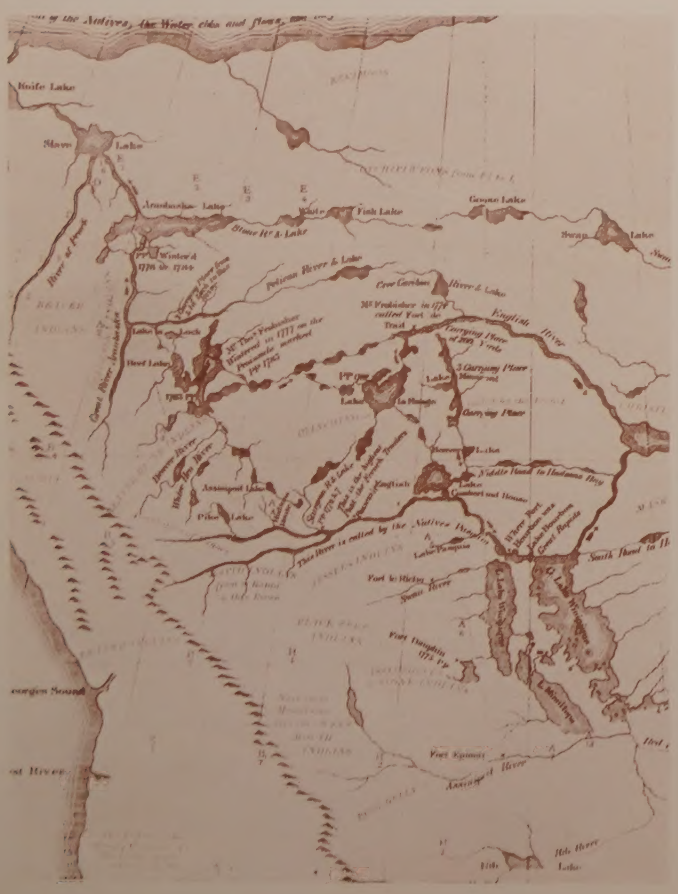
1760, PHILIPPE BUACHE: after Del'Isle "Map of New Discoverie


AVERTISSEMENT

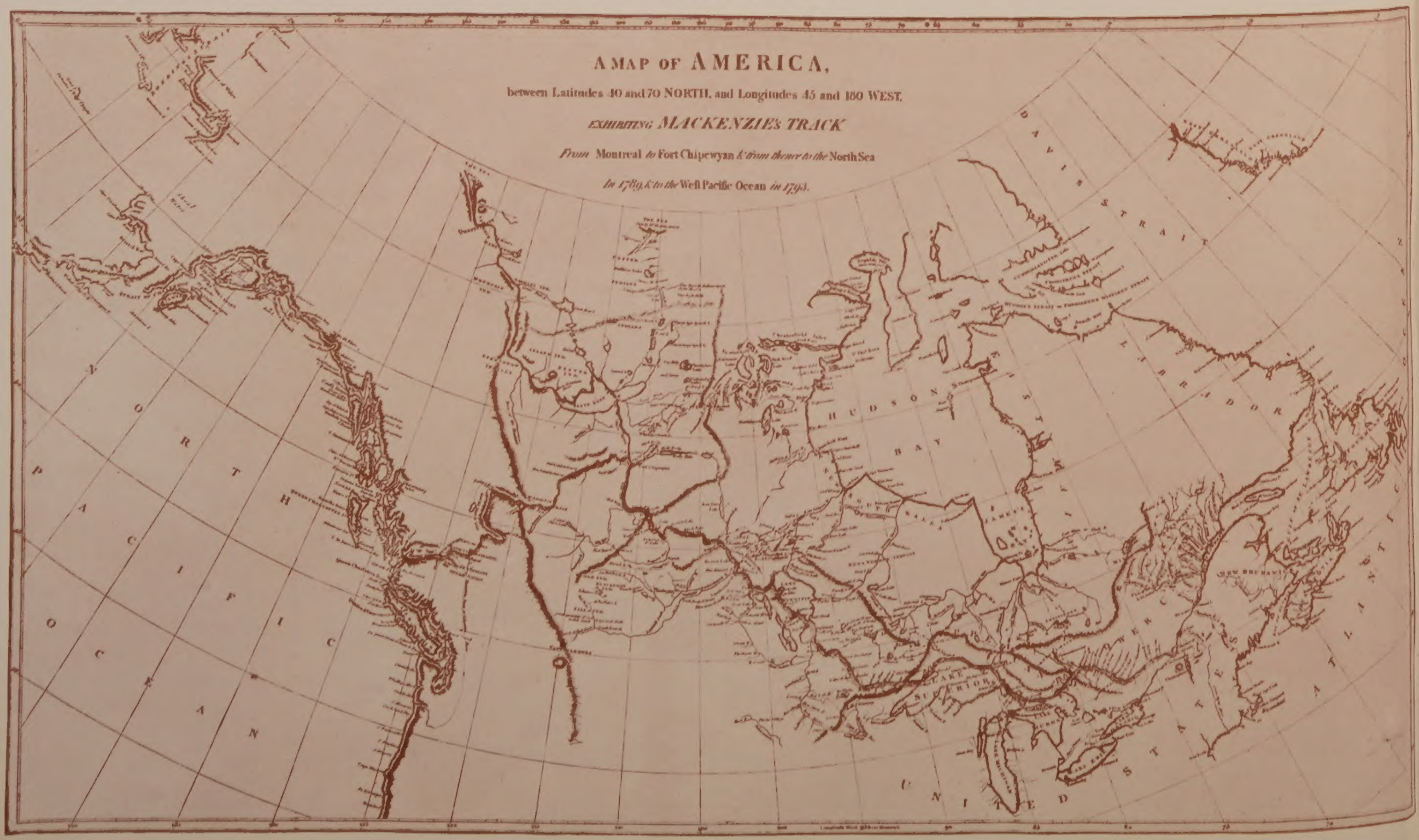
1762, THOMAS JEFFERYS: "Map of Canada and North Part of Louisiana"

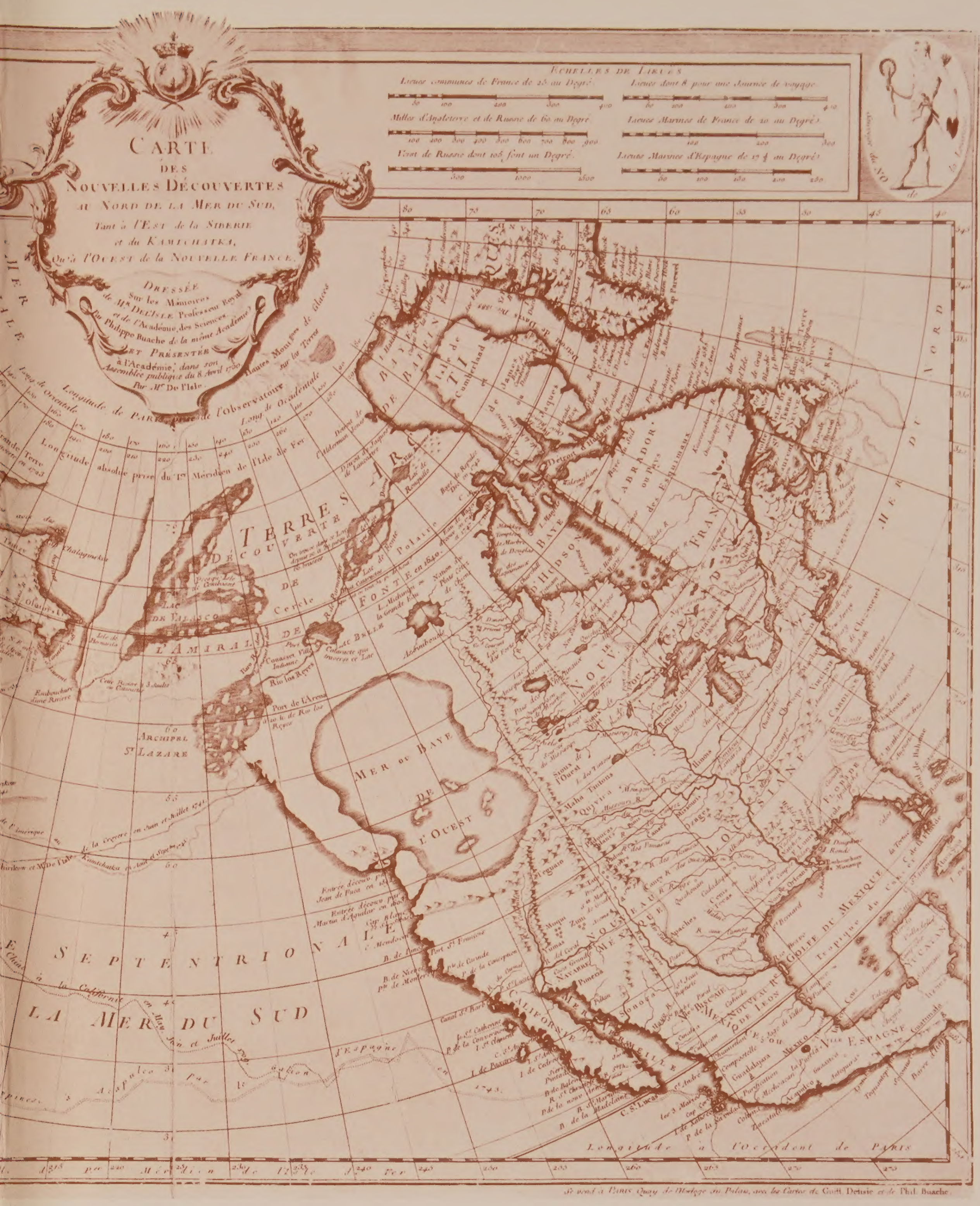

HUDSONS BAY
NEW SOUTH WALES
LABRADOR OR NEW BRITAIN
JAMES BAY
GULF OF ST. LAURENCE
ATLANTIC OCEAN
A MAP OF CANADA AND the NORTH PART of LOUISIANA with the ADJACENT COUNTRYS. By Thos. Jefferys Geographer to His MAJESTY

1785, PETER POND: "Map of Major Pond's Discoveries"

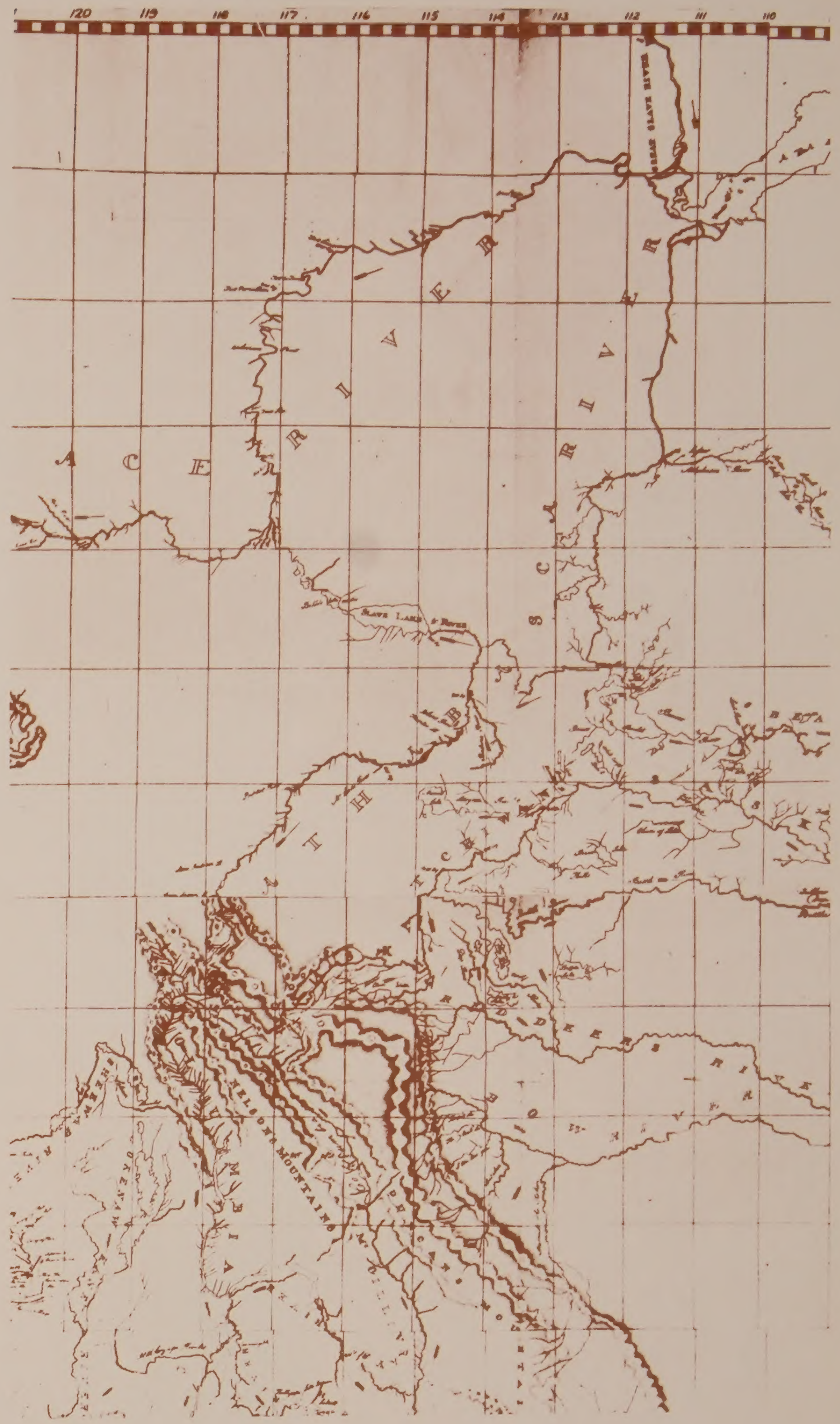


1793, ALEXANDER MACKENZIE: "Map of America-MacKenzie's Track"

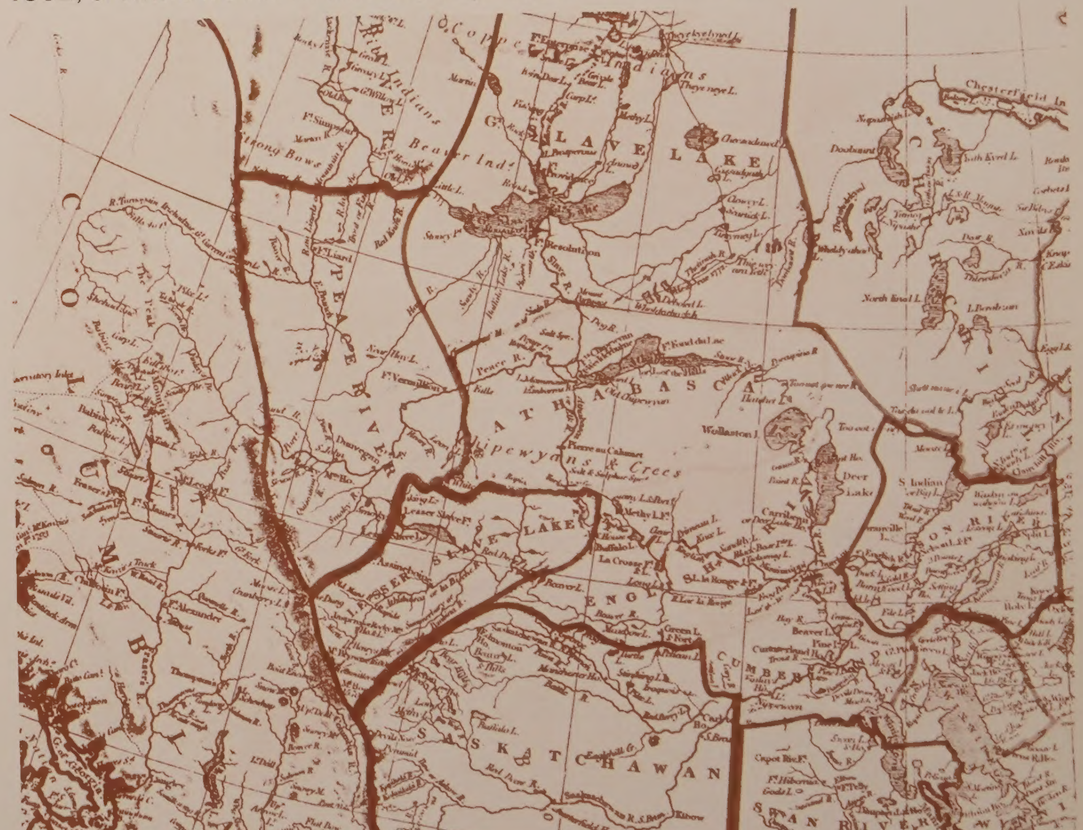

A MAP OF AMERICA,
between Latitudes 40 and 70 NORTH, and Longitudes 45 and 180 WEST,
EXHIBITING MACKENZIE'S TRACK
From Montreal to Fort Chipewyan & from thence to the North Sea
in 1789, & to the West Pacific Ocean in 1793.
NORTH PACIFIC OCEAN
HUDSONS BAY
LABRADOR
DAVIS STRAIT
UNITED STATES
ATLANTIC


Carte des Nouvelles Découvertes au Nord de la Mer du Sud, Tant à l'Est de la Siberie et du Kamtchatka, Qu'à l'Ouest de la Nouvelle France.
Mer ou Baye de l'Ouest
Terres Découvertes
Golfe du Mexique
La Mer du Sud

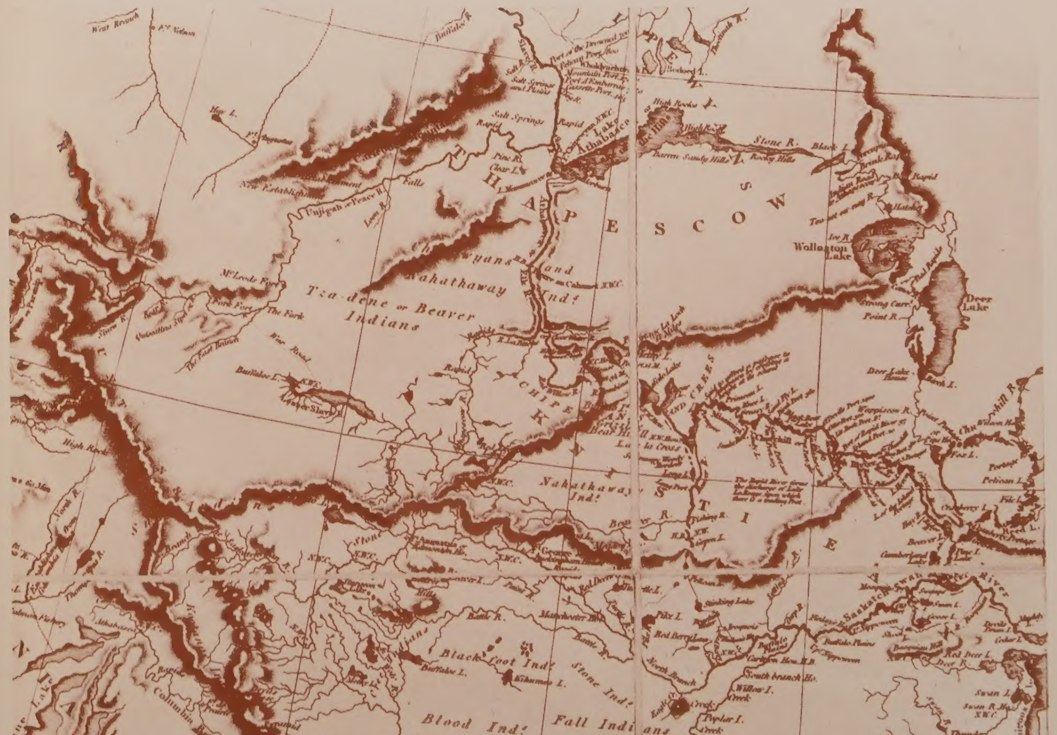
1813-1814, DAVID THOMPSON: from the "Map of the North-West Territory of the Province of Canada"



1832, J. ARROWSMITH: from the map "British North America"



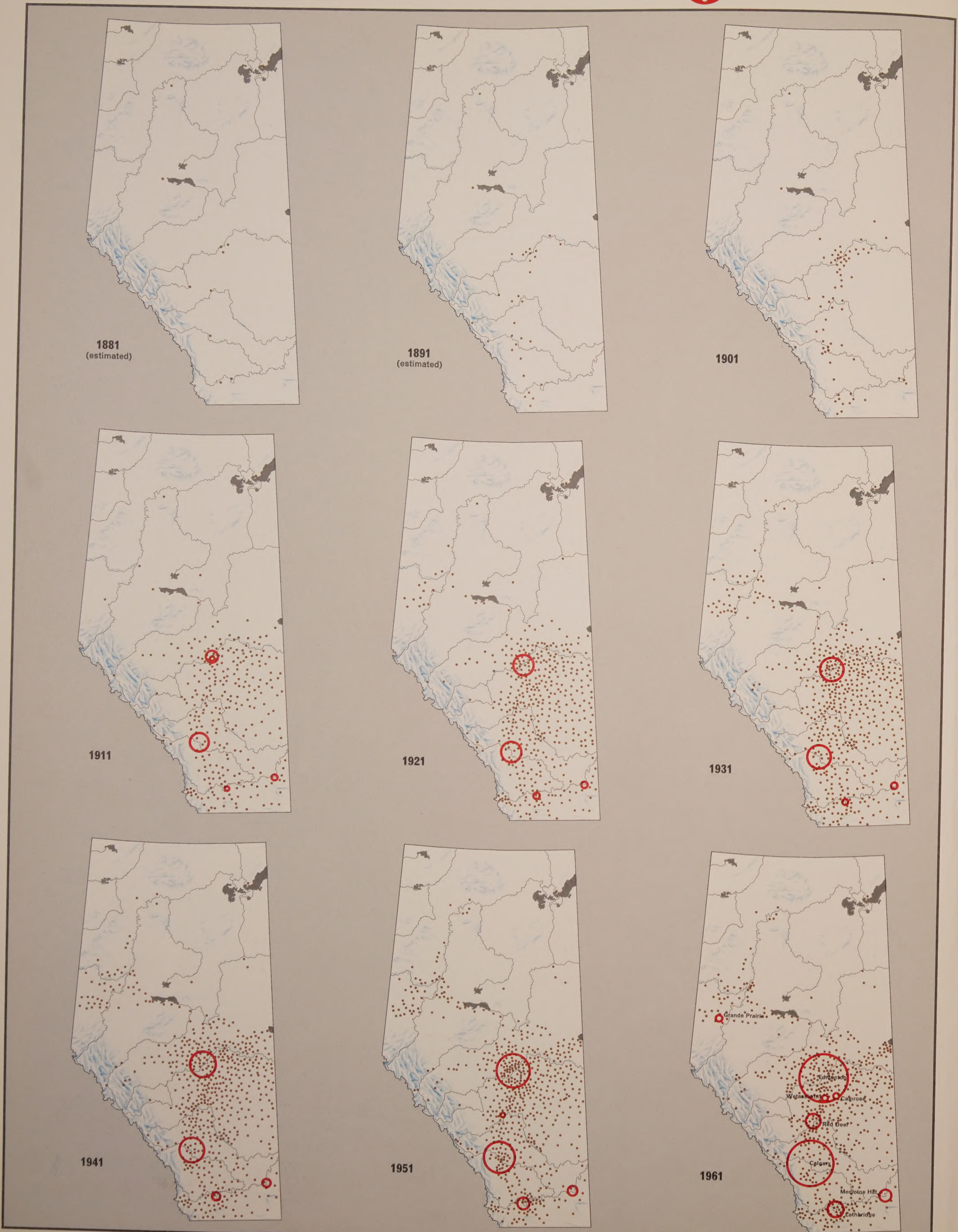
1827, JAMES UBYLD: from the "Map of North America"



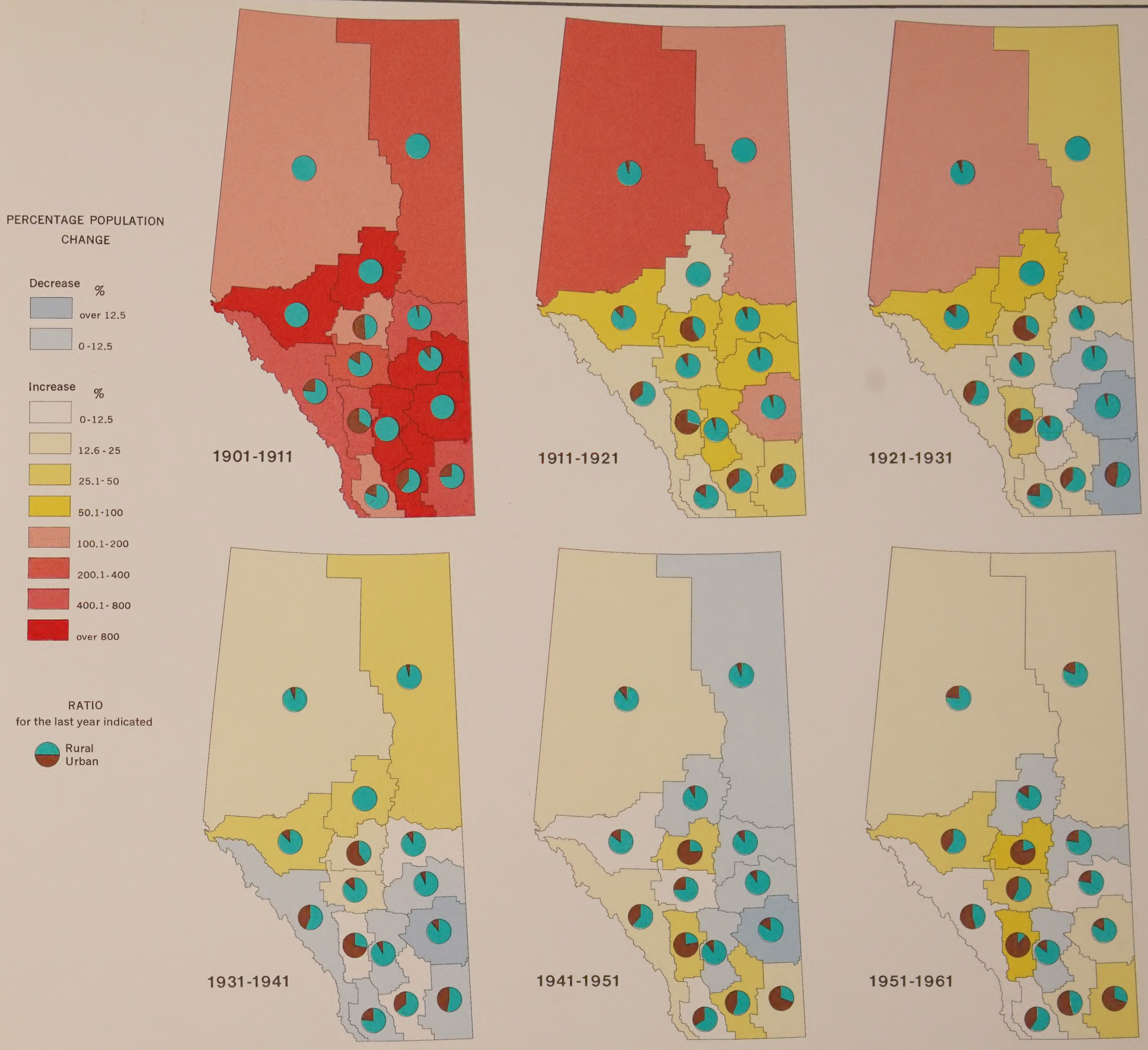
POPULATION 1881-1961

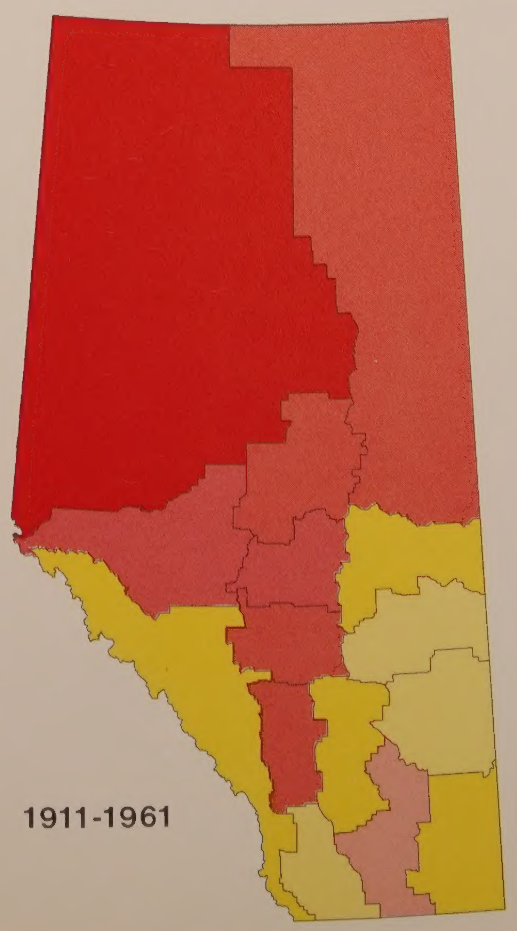
150,000
100,000
50,000
5,000

One dot represents 1000 people

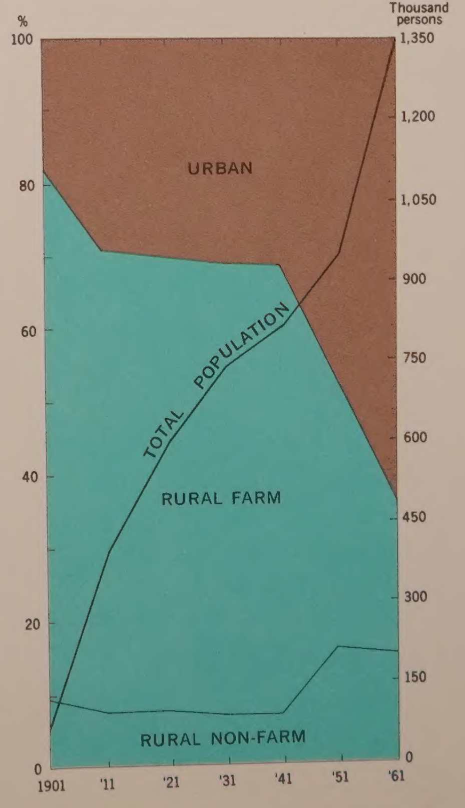

1881
(estimated)
1891
(estimated)
1901
1911
1921
1931
1941
1951
1961
Grande Prairie
Edmonton
Wetaskiwin
Camrose
Red Deer
Calgary
Medicine Hat
Lethbridge

POPULATION CHANGE, 1901-1961

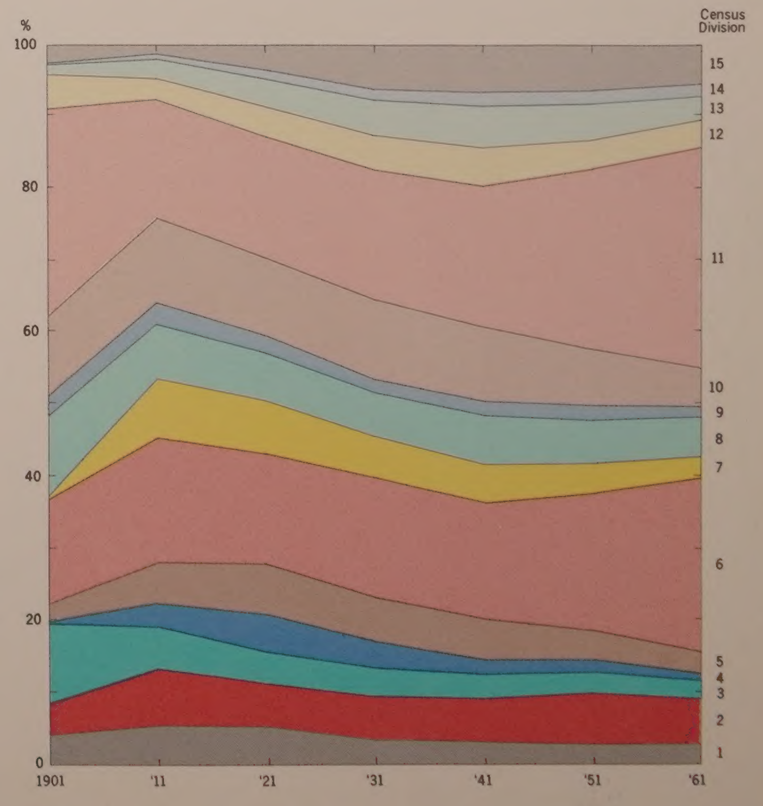

PERCENTAGE POPULATION CHANGE
Decrease %
over 12.5
0-12.5
Increase %
0-12.5
12.6-25
25.1-50
50.1-100
100.1-200
200.1-400
400.1-800
over 800
RATIO for the last year indicated
Rural
Urban
1901-1911
1911-1921
1921-1931
1931-1941
1941-1951
1951-1961

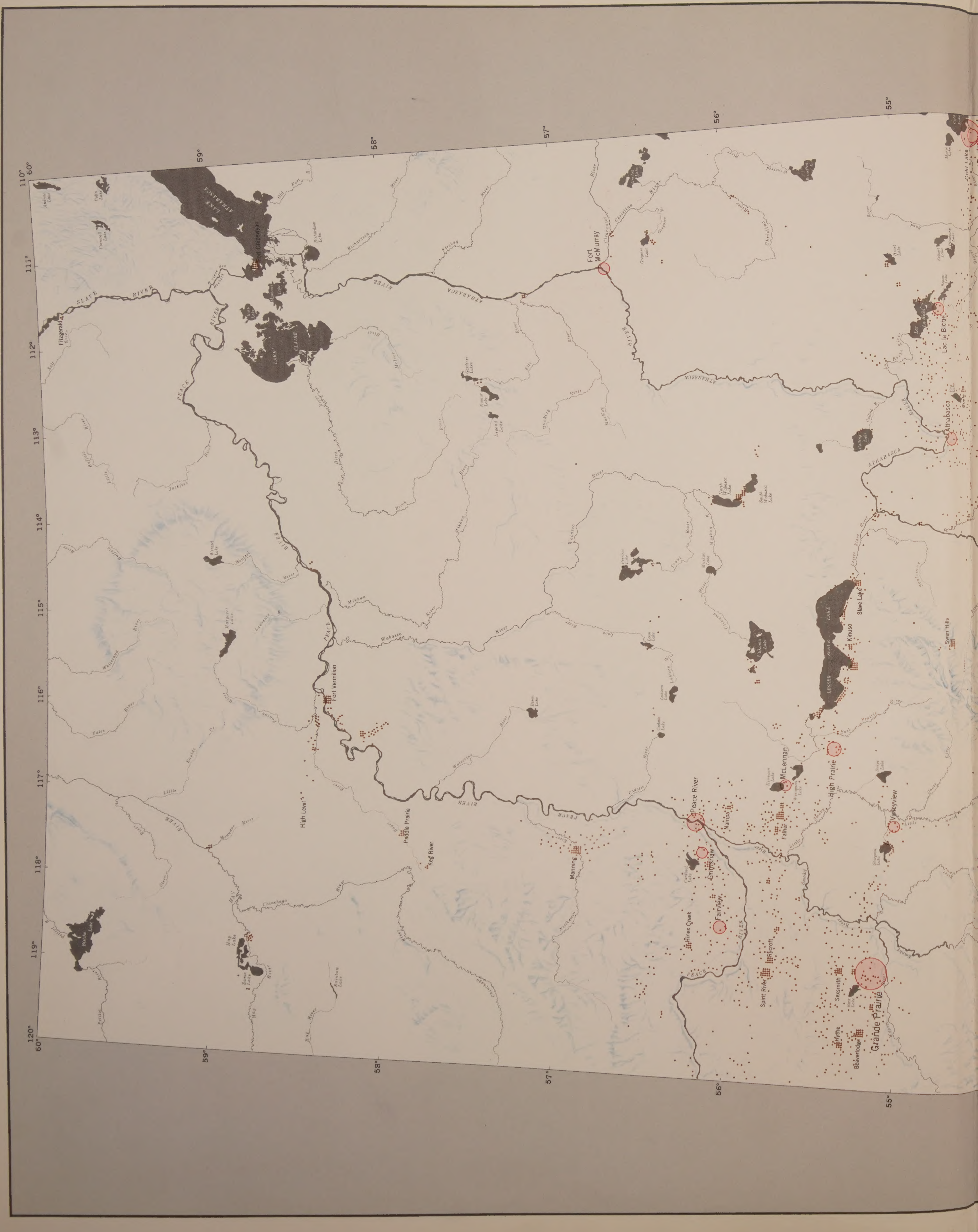


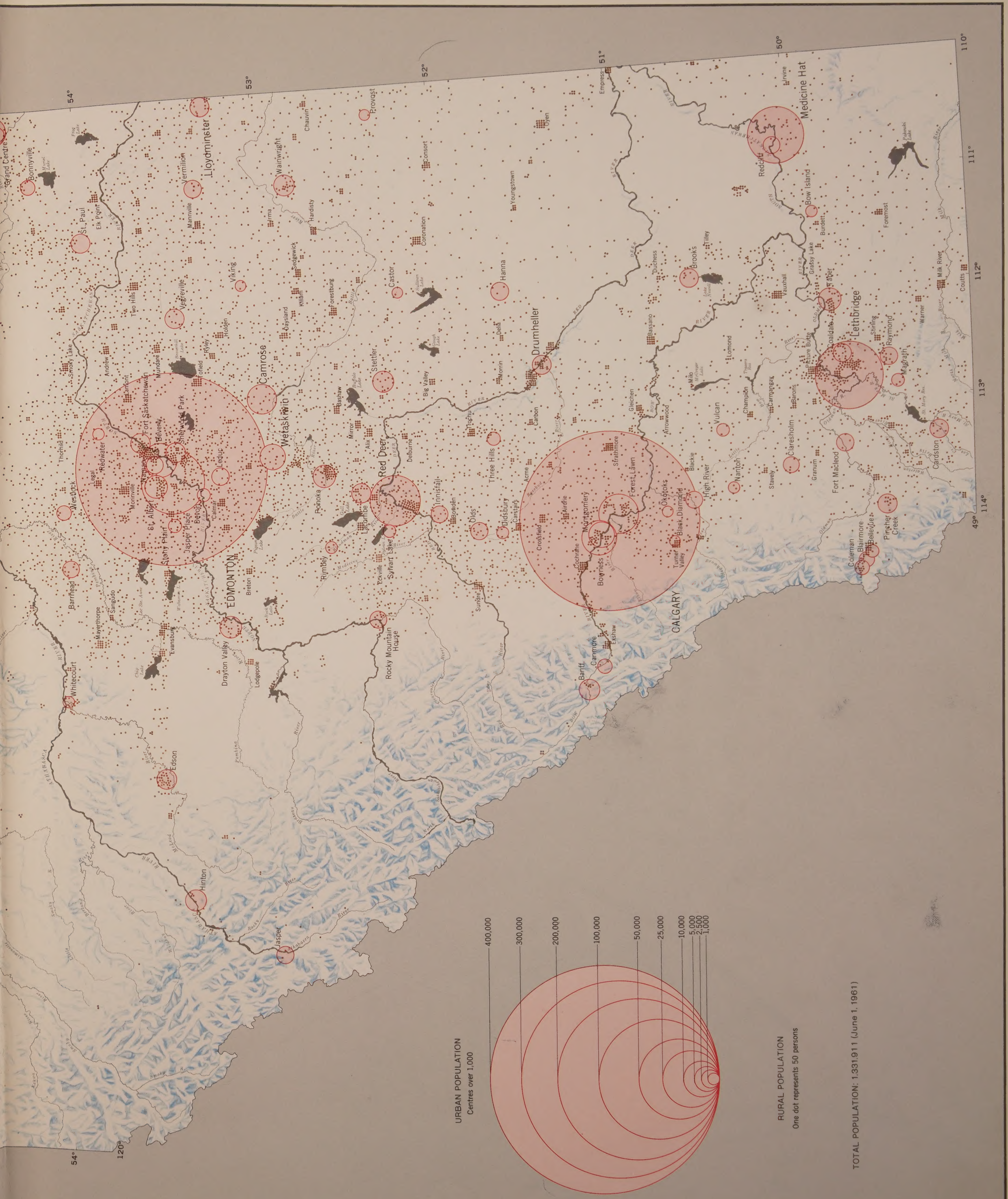
RURAL AND URBAN POPULATION, 1901-1961



POPULATION BY CENSUS DIVISION, 1901-1961




60°
59°
58°
57°
56°
55°
110°
111°
112°
113°
114°
115°
116°
117°
118°
119°
120°
LAKE ATHABASCA
Fort Chipewyan
LAKE CLAIRE
SLAVE RIVER
Fitzgerald
PEACE RIVER
ATHABASCA RIVER
Fort McMurray
Lac la Biche
Athabasca
Cold Lake
LESSER SLAVE LAKE
Slave Lake
Kinuso
Swan Hills
Fort Vermilion
High Level
Paddle Prairie
Keg River
Manning
Peace River
Nampa
McLennan
Falher
High Prairie
Valleyview
Grimshaw
Fairview
Hines Creek
Rycroft
Spirit River
Sexsmith
Grande Prairie
Hythe
Beaverlodge
HAY RIVER
North Wabasca Lake
South Wabasca Lake
Utikuma Lake
Bistcho Lake
Hay Lake
Wabasca River
Loon River
Smoky River
Little Smoky River


URBAN POPULATION
Centres over 1,000
400,000
300,000
200,000
100,000
50,000
25,000
10,000
5,000
2,500
1,000
RURAL POPULATION
One dot represents 50 persons
TOTAL POPULATION: 1,331,911 (June 1, 1961)
EDMONTON
CALGARY
Red Deer
Lethbridge
Medicine Hat
Drumheller
Camrose
Wetaskiwin
Lloydminster
Wainwright
Vermilion
Vegreville
Bonnyville
St. Paul
Elk Point
Provost
Consort
Coronation
Castor
Hanna
Stettler
Viking
Hardisty
Killam
Sedgewick
Forestburg
Daysland
Tofield
Ryley
Holden
Mundare
Lamont
Andrew
Smoky Lake
Two Hills
Mannville
Irma
Chauvin
Oyen
Empress
Youngstown
Delia
Morrin
Big Valley
Bashaw
Mirror
Alix
Lacombe
Ponoka
Rimbey
Eckville
Sylvan Lake
Innisfail
Bowden
Olds
Didsbury
Carstairs
Three Hills
Trochu
Carbon
Acme
Crossfield
Airdrie
Cochrane
Bowness
Montgomery
Forest Lawn
Strathmore
Okotoks
Black Diamond
Turner Valley
High River
Blackie
Nanton
Vulcan
Arrowwood
Gleichen
Bassano
Brooks
Duchess
Tilley
Vauxhall
Grassy Lake
Taber
Burdett
Bow Island
Redcliff
Irvine
Foremost
Coaldale
Picture Butte
Barons
Carmangay
Champion
Lomond
Milo
Claresholm
Stavely
Granum
Fort Macleod
Pincher Creek
Coleman
Blairmore
Bellevue
Raymond
Stirling
Magrath
Cardston
Warner
Milk River
Coutts
Fort Saskatchewan
Sherwood Park
Beverly
Jasper Place
St. Albert
Stony Plain
Leduc
Devon
Calmar
Morinville
Gibbons
Redwater
Thorhild
Westlock
Barrhead
Mayerthorpe
Sangudo
Evansburg
Drayton Valley
Breton
Lodgepole
Whitecourt
Edson
Hinton
Jasper
Banff
Canmore
Exshaw
Sundre
Rocky Mountain House
Deburne
Grand Centre
54°
53°
52°
51°
50°
49°
110°
111°
112°
113°
114°
120°

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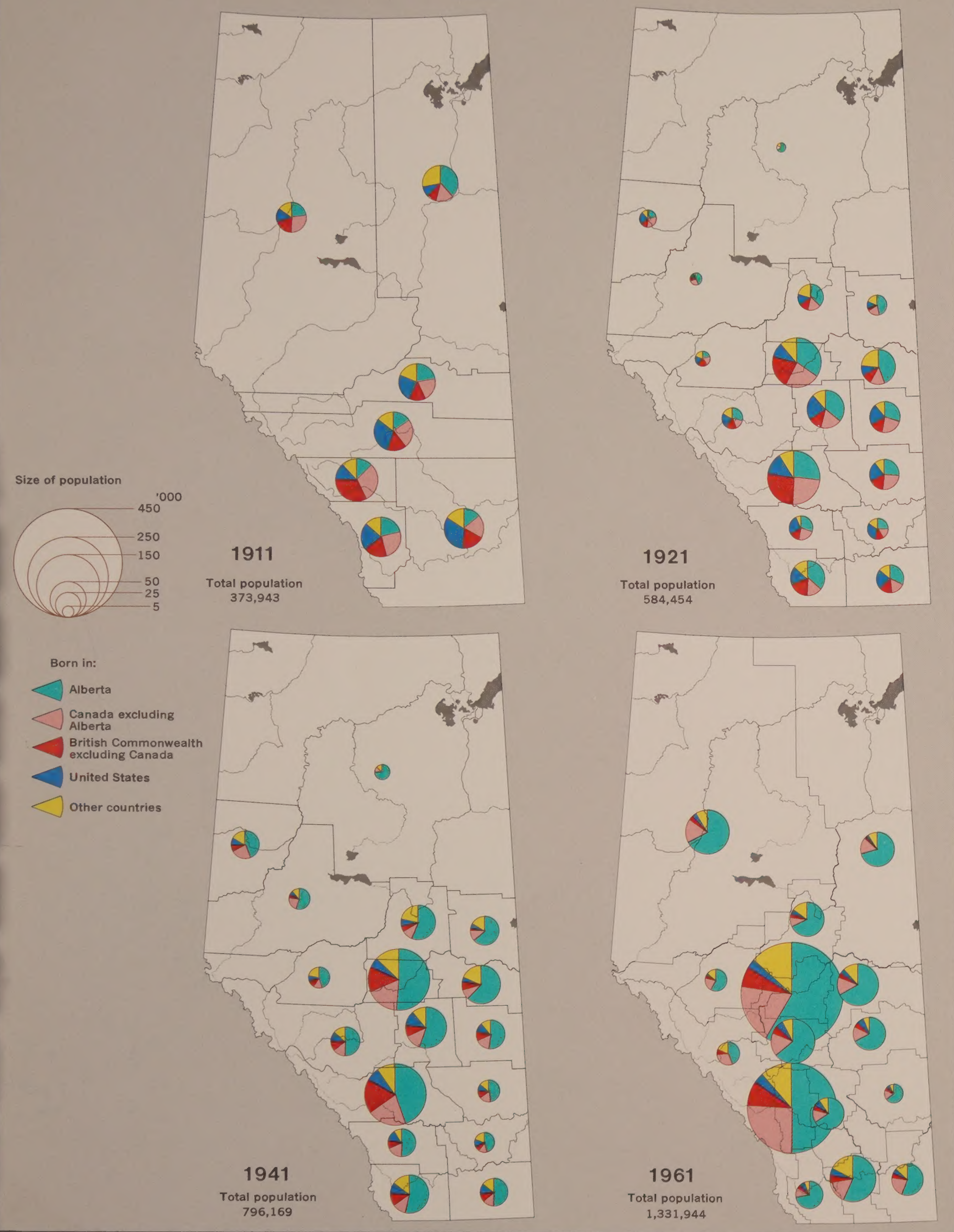
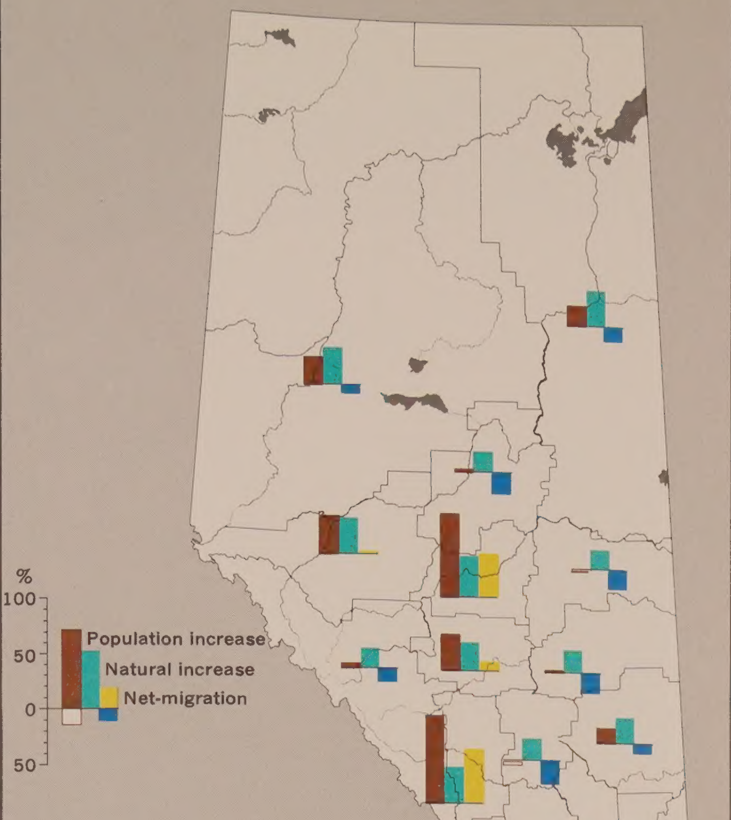
POPULATION: Origin and Migration

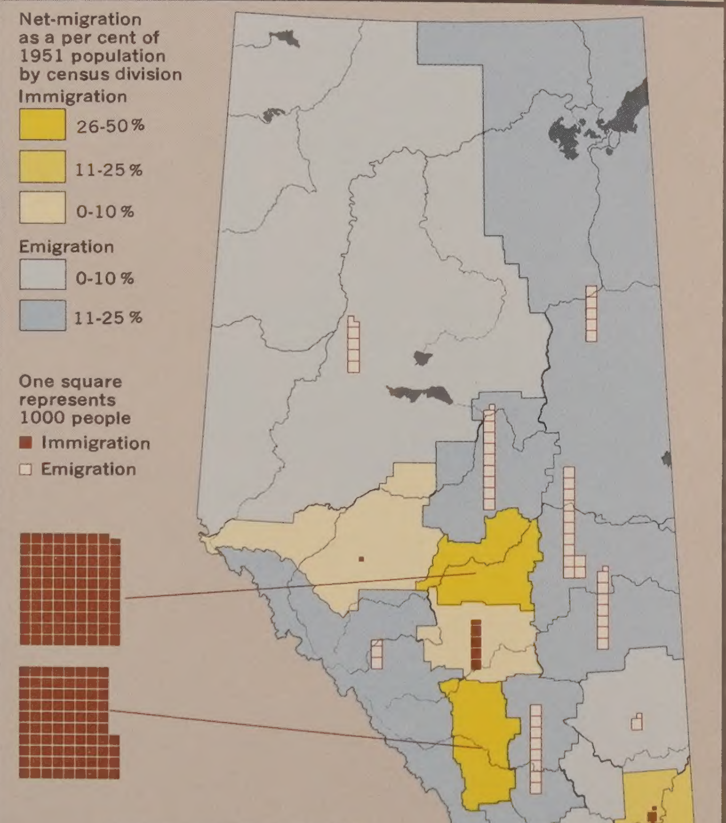
ORIGIN


Size of population
'000
450
250
150
50
25
5
1911
Total population
373,943
1921
Total population
584,454
Born in:
Alberta
Canada excluding Alberta
British Commonwealth excluding Canada
United States
Other countries
1941
Total population
796,169
1961
Total population
1,331,944


%
100
50
0
50
Population increase
Natural increase
Net-migration

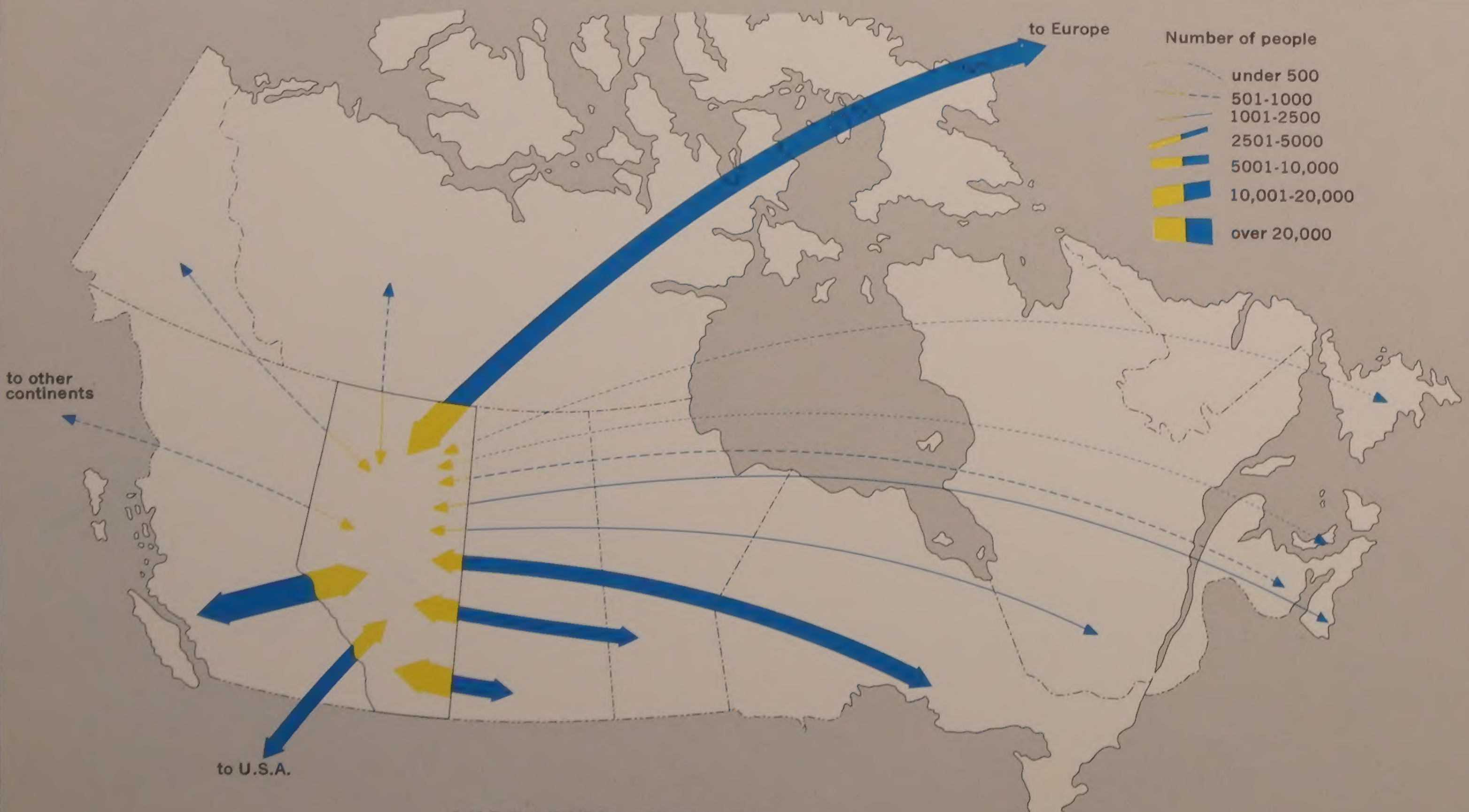
POPULATION CHANGE 1951-1961

by census divisions


Net-migration as a per cent of 1951 population by census division
Immigration
26-50 %
11-25 %
0-10 %
Emigration
0-10 %
11-25 %
One square represents 1000 people
Immigration
Emigration

NET-MIGRATION 1951-1961

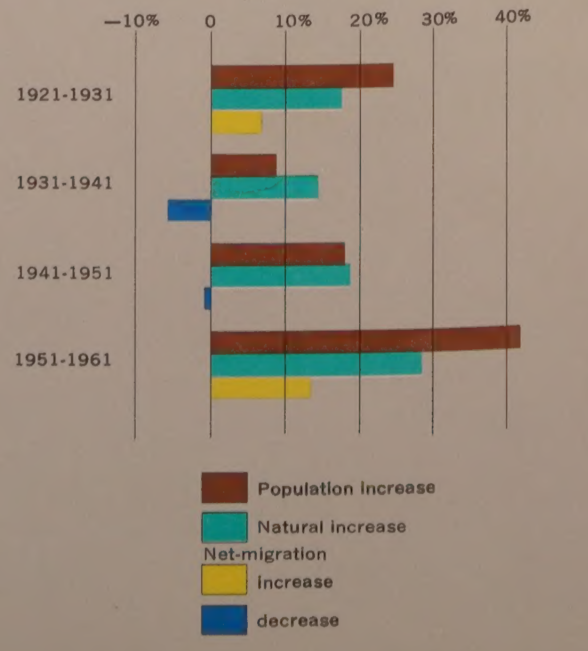
by census divisions

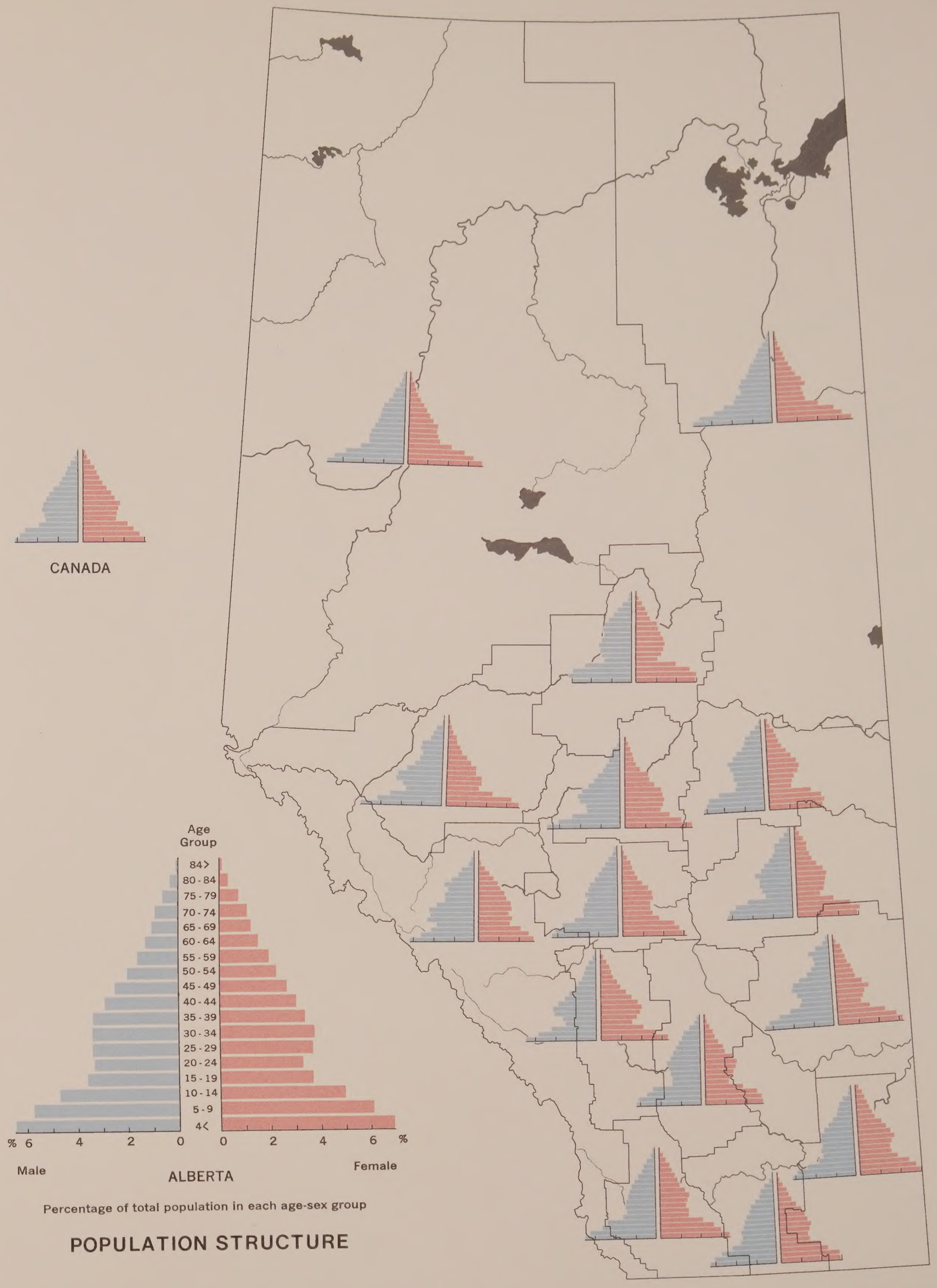

to Europe
Number of people
under 500
501-1000
1001-2500
2501-5000
5001-10,000
10,001-20,000
over 20,000
to other continents
to U.S.A.

MIGRATION 1956-1961

ALBERTA

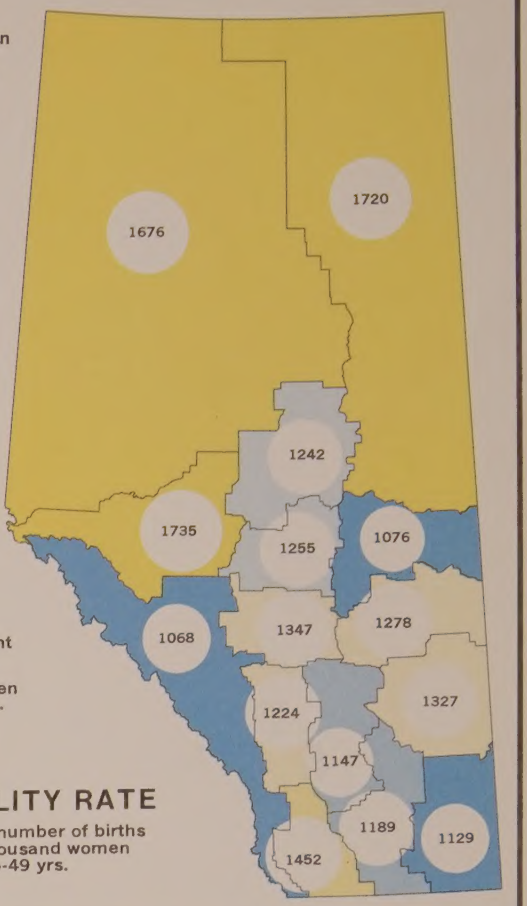
PER CENT POPULATION INCREASE, NATURAL INCREASE AND NET-MIGRATION 1921-1961




CANADA
Age Group
84>
80-84
75-79
70-74
65-69
60-64
55-59
50-54
45-49
40-44
35-39
30-34
25-29
20-24
15-19
10-14
5-9
4<
% 6
4
2
0
0
2
4
6
%
Male
Female
ALBERTA

Percentage of total population in each age-sex group

POPULATION STRUCTURE


1676
1720
1242
1735
1255
1076
1068
1347
1278
1224
1327
1147
1189
1452
1129

Percentage deviation from Alberta Average: 1278 per ten thousand

Above

- ■ 26-36%
- ■ 11-25%
- ■ 0-10%

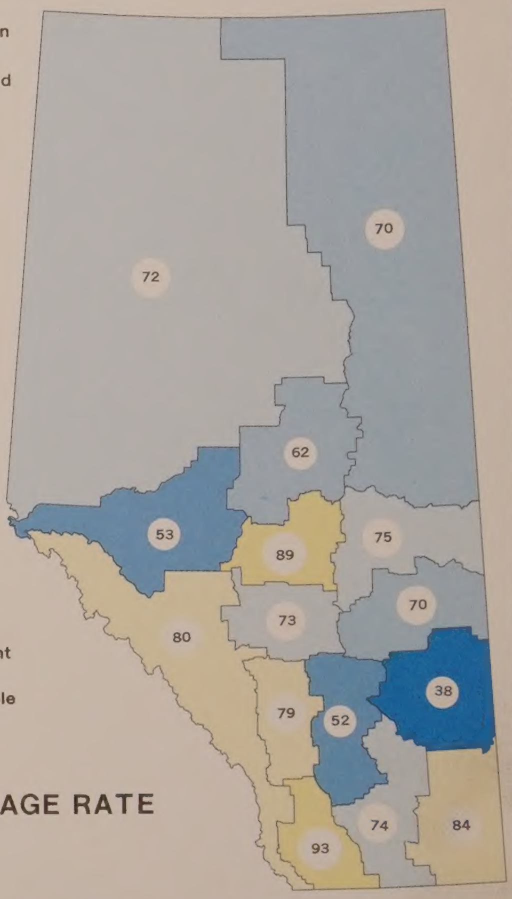
Below

- ■ 0-5 %
- ■ 6-10%
- ■ 11-20%

Numbers represent births per ten thousand women of ages 15-49 yrs.

FERTILITY RATE

Based on number of births per ten thousand women of ages 15-49 yrs.


72
70
62
53
89
75
73
70
80
38
79
52
74
84
93

Percentage deviation from Alberta Average: 79 per ten thousand

Above

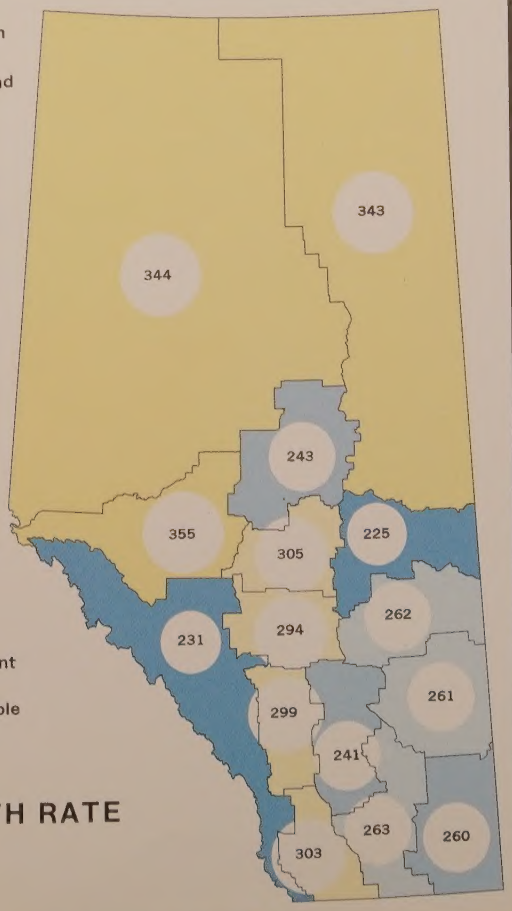
- ■ 11-20%
- ■ 0-10%

Below

- ■ 0-10%
- ■ 11-25%
- ■ 26-35%
- ■ 36-55%

Numbers represent marriages per ten thousand people

MARRIAGE RATE


344
343
243
355
305
225
231
294
262
299
261
241
263
260
303

Percentage deviation from Alberta Average: 292 per ten thousand

Above

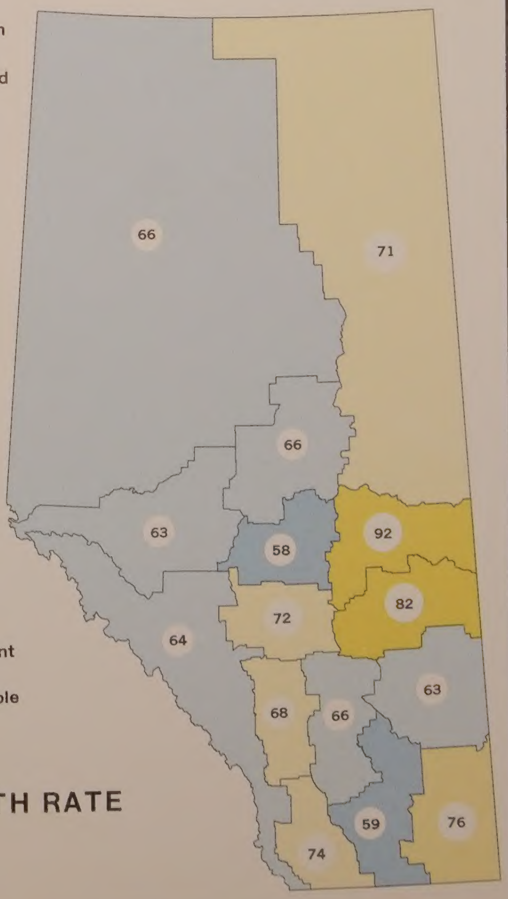
- ■ 16-25%
- ■ 0-15%

Below

- ■ 0-10%
- ■ 11-20%
- ■ 21-25%

Numbers represent births per ten thousand people

BIRTH RATE


66
71
66
63
58
92
72
82
64
63
68
66
59
76
74

Percentage deviation from Alberta Average: 67 per ten thousand

Above

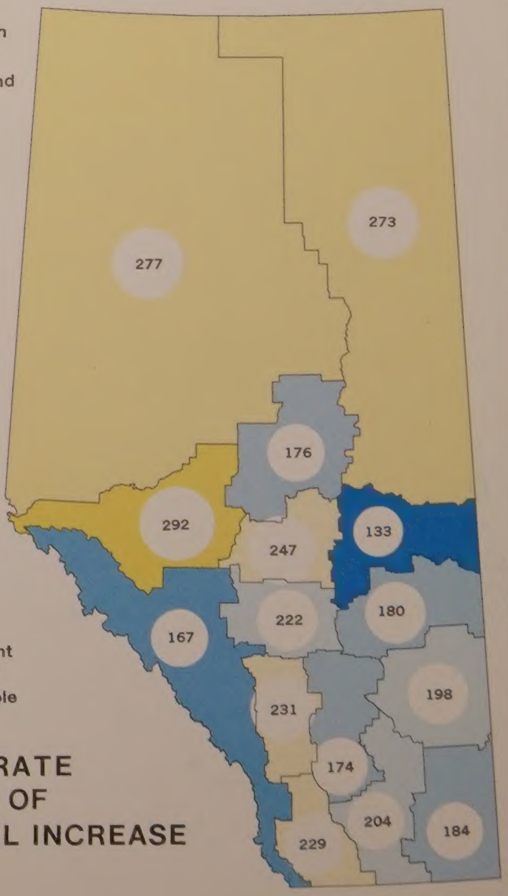
- ■ 21-40%
- ■ 11-20%
- ■ 0-10%

Below

- ■ 0-10%
- ■ 11-20%

Numbers represent deaths per ten thousand people

DEATH RATE


277
273
176
292
247
133
167
222
180
231
198
174
204
184
229

Percentage deviation from Alberta Average: 226 per ten thousand

Above

- ■ 26-35%
- ■ 16-25%
- ■ 0-15%

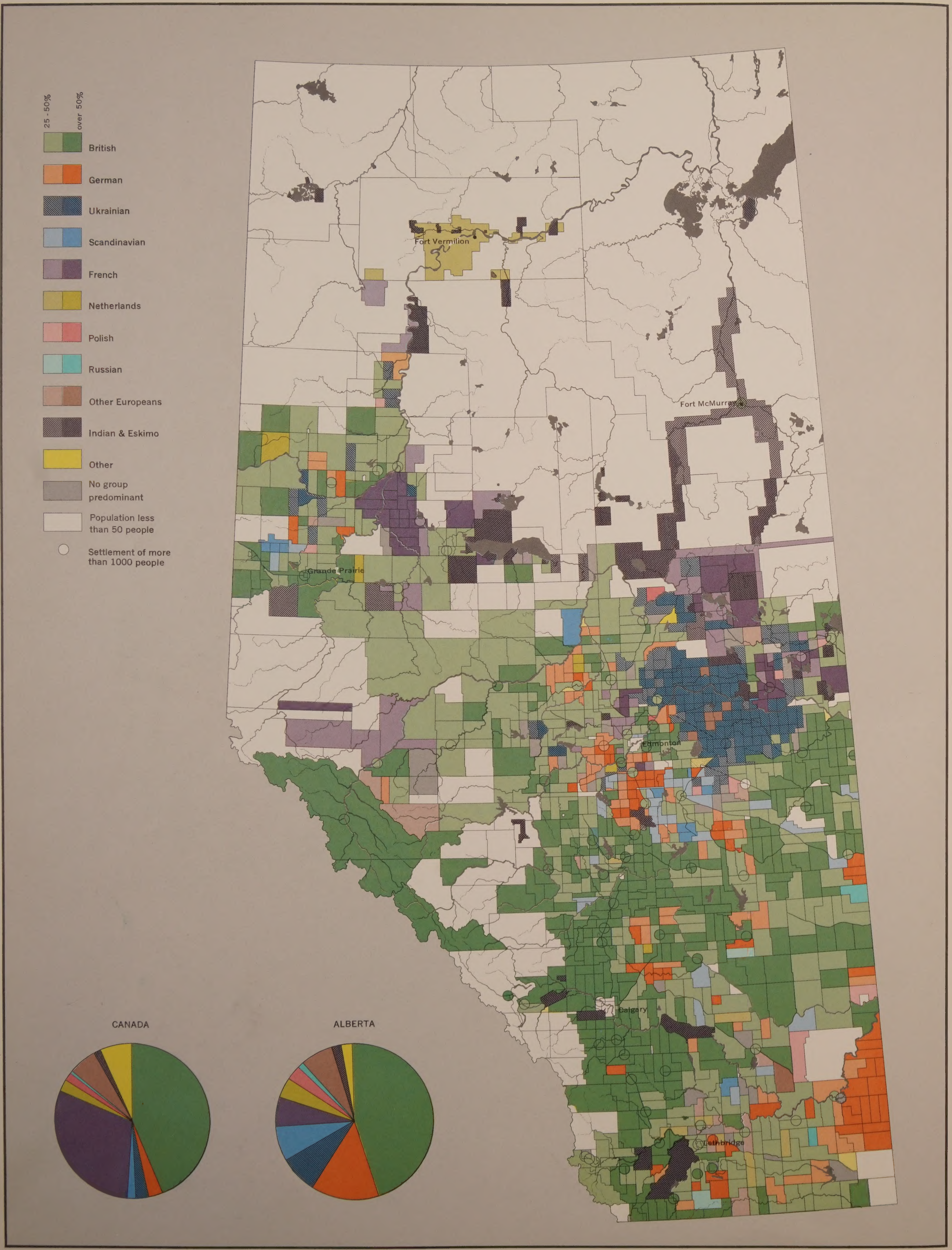
Below

- ■ 0-15%
- ■ 16-25%
- ■ 26-35%
- ■ 36-45%

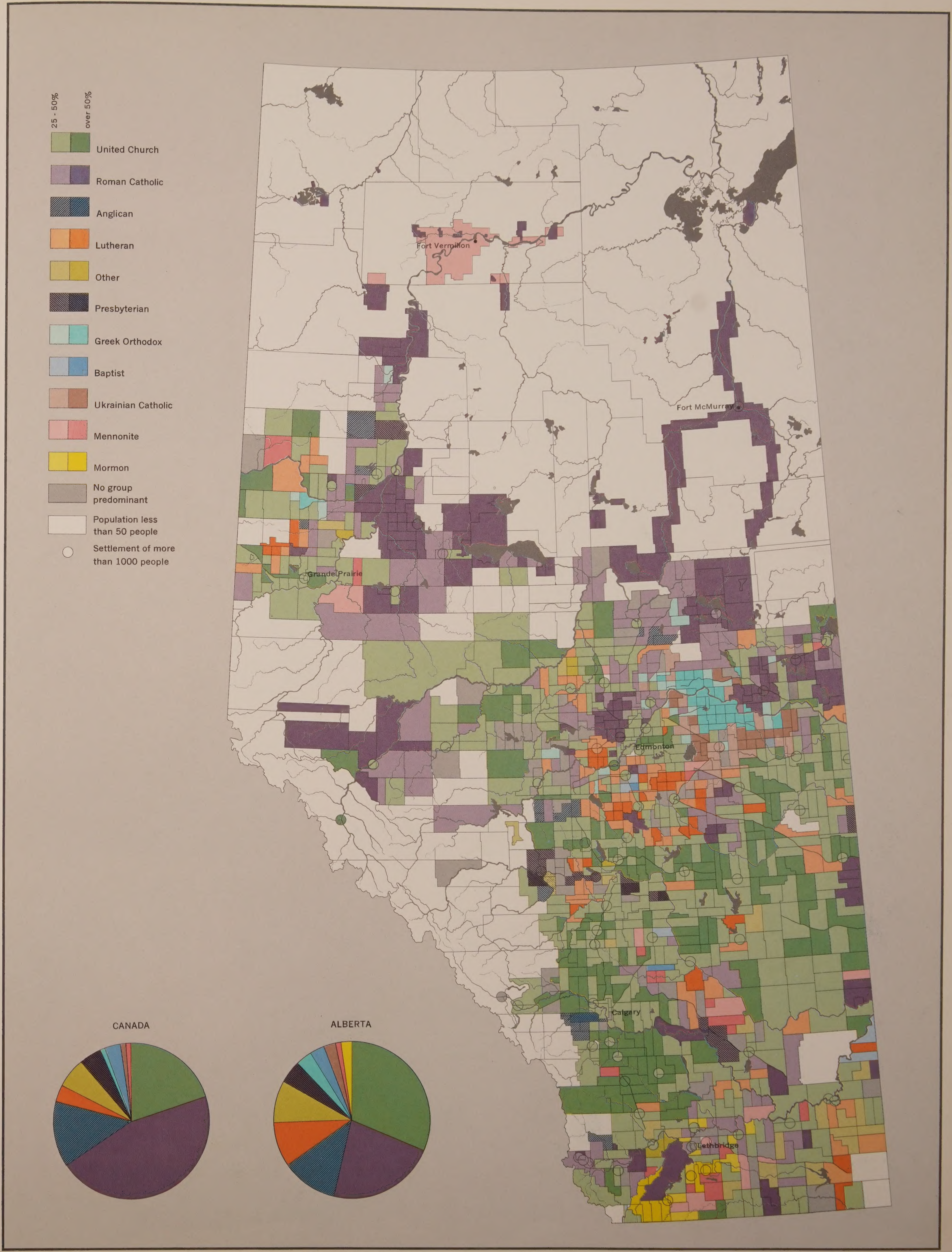
Numbers represent natural increase per ten thousand people

RATE OF NATURAL INCREASE

PREDOMINANT ETHNIC ORIGIN, 1961


25-50%
over 50%
British
German
Ukrainian
Scandinavian
French
Netherlands
Polish
Russian
Other Europeans
Indian & Eskimo
Other
No group predominant
Population less than 50 people
Settlement of more than 1000 people
Fort Vermilion
Fort McMurray
Grande Prairie
Edmonton
Calgary
Lethbridge
CANADA
ALBERTA

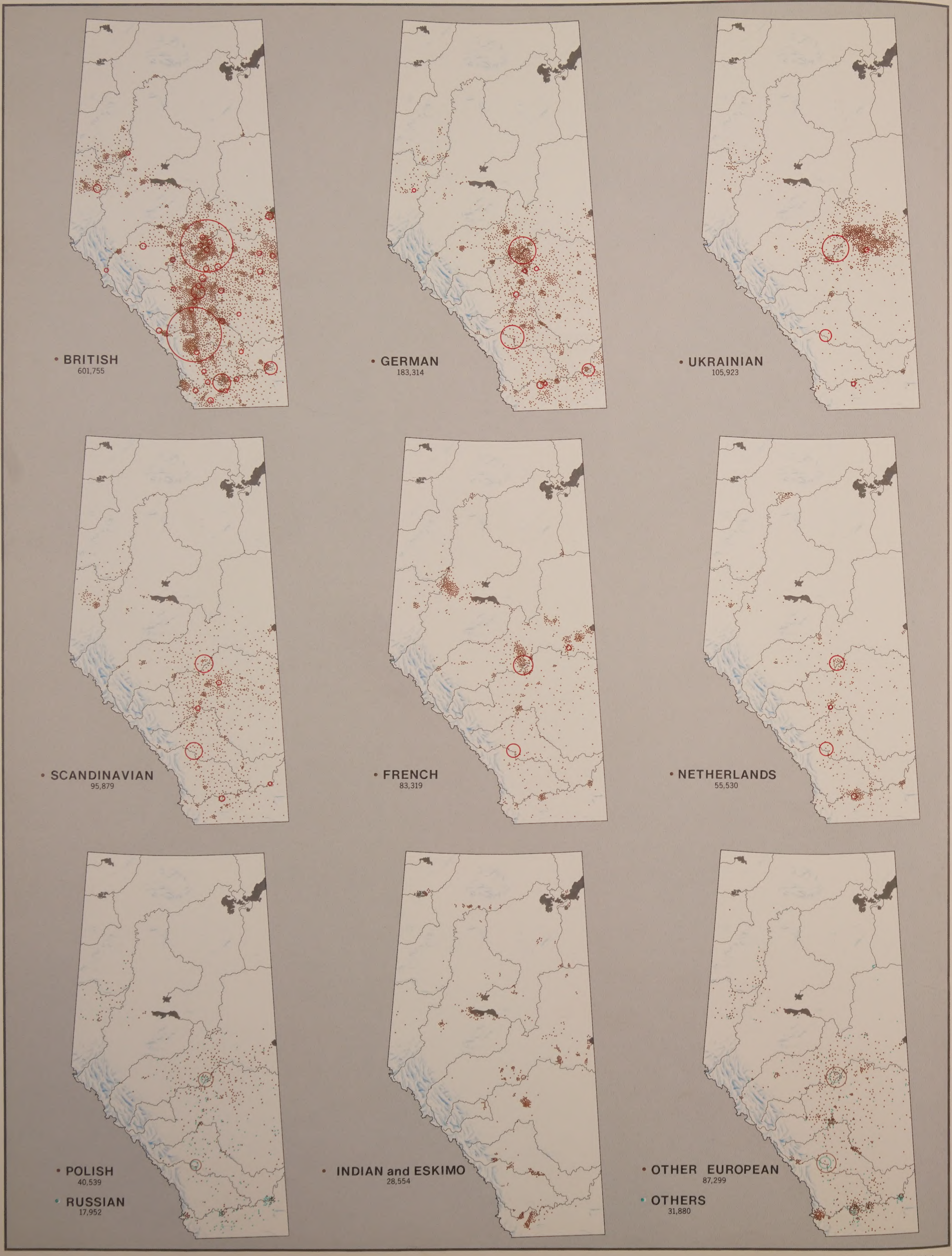
PREDOMINANT RELIGION, 1961


25 - 50%
over 50%
United Church
Roman Catholic
Anglican
Lutheran
Other
Presbyterian
Greek Orthodox
Baptist
Ukrainian Catholic
Mennonite
Mormon
No group predominant
Population less than 50 people
Settlement of more than 1000 people
Fort Vermilion
Fort McMurray
Grande Prairie
Edmonton
Calgary
Lethbridge
CANADA
ALBERTA

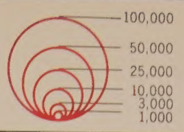
ETHNIC ORIGIN

Agglomerations of 1,000 or more:
100,000
50,000
25,000
10,000
3,000
1,000

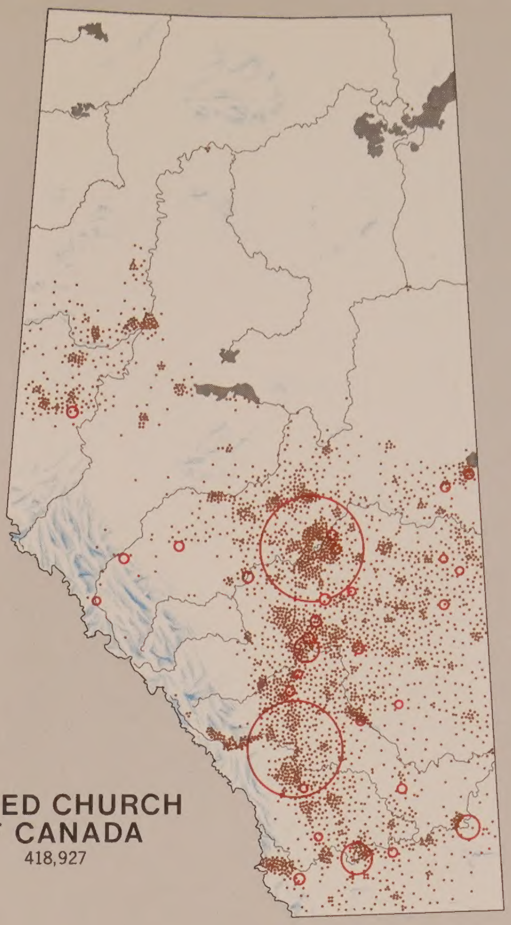
Each dot represents 50 people.


• BRITISH
601,755
• GERMAN
183,314
• UKRAINIAN
105,923
• SCANDINAVIAN
95,879
• FRENCH
83,319
• NETHERLANDS
55,530
• POLISH
40,539
• RUSSIAN
17,952
• INDIAN and ESKIMO
28,554
• OTHER EUROPEAN
87,299
• OTHERS
31,880

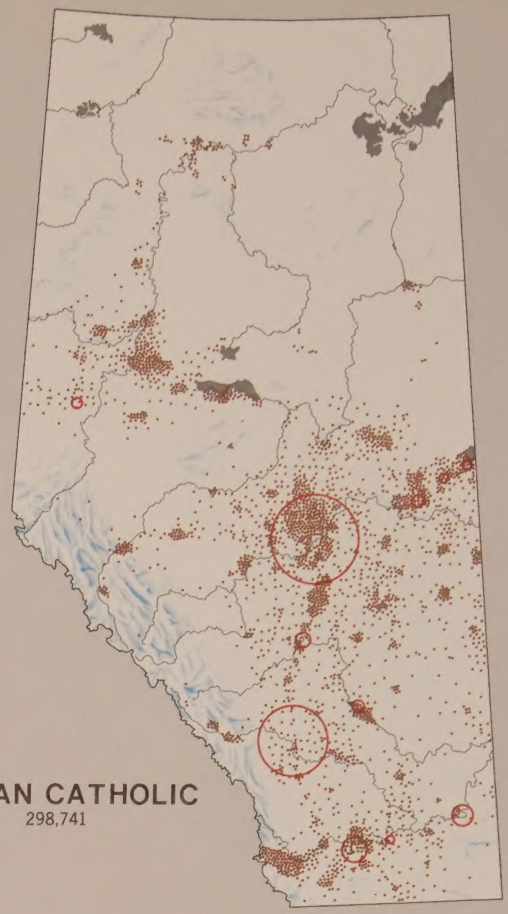
Agglomerations of 1,000 or more:


100,000
50,000
25,000
10,000
3,000
1,000

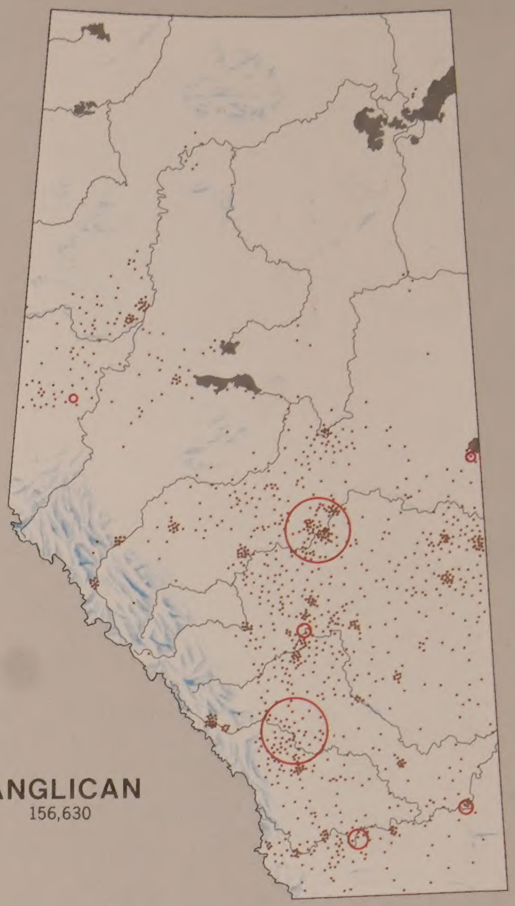
Each dot represents 50 people.



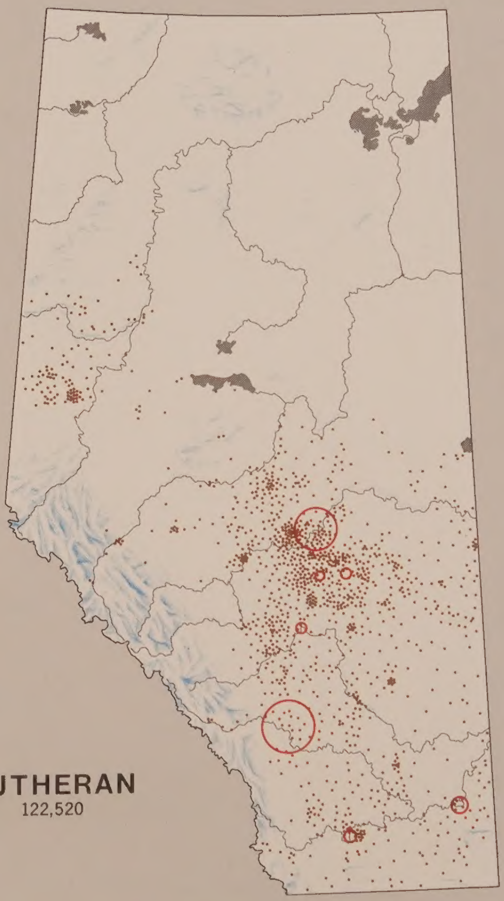
• UNITED CHURCH OF CANADA
418,927



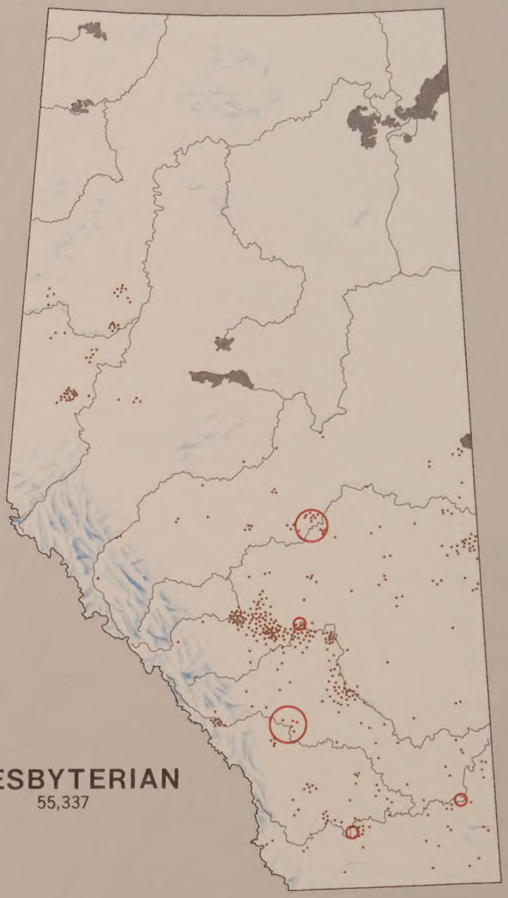
• ROMAN CATHOLIC
298,741



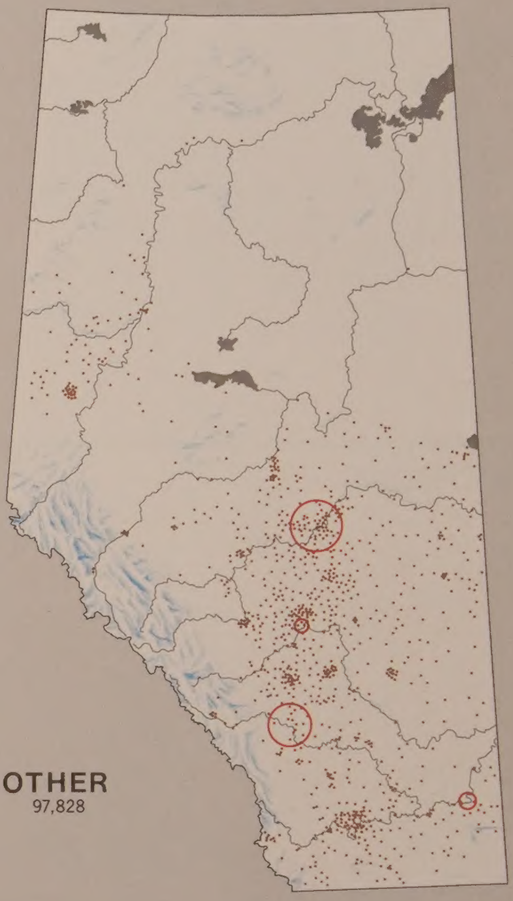
• ANGLICAN
156,630



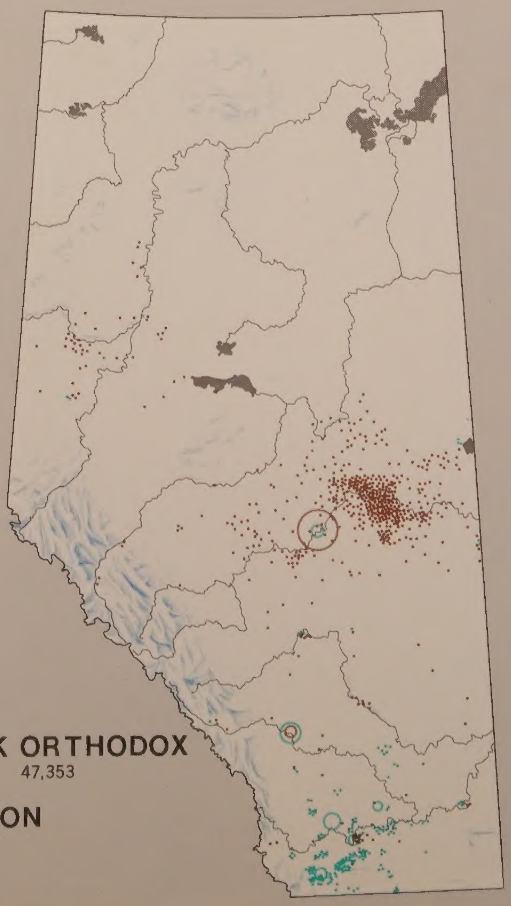
• LUTHERAN
122,520



• PRESBYTERIAN
55,337

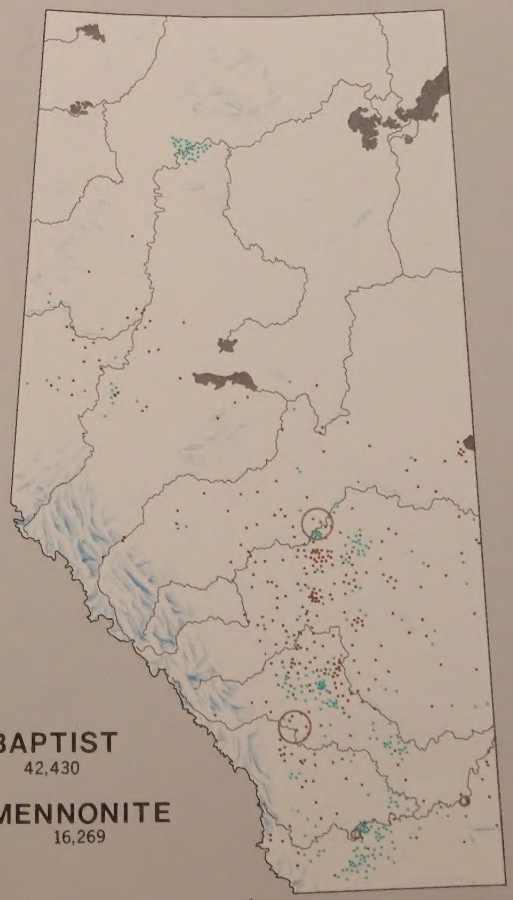


• OTHER
97,828



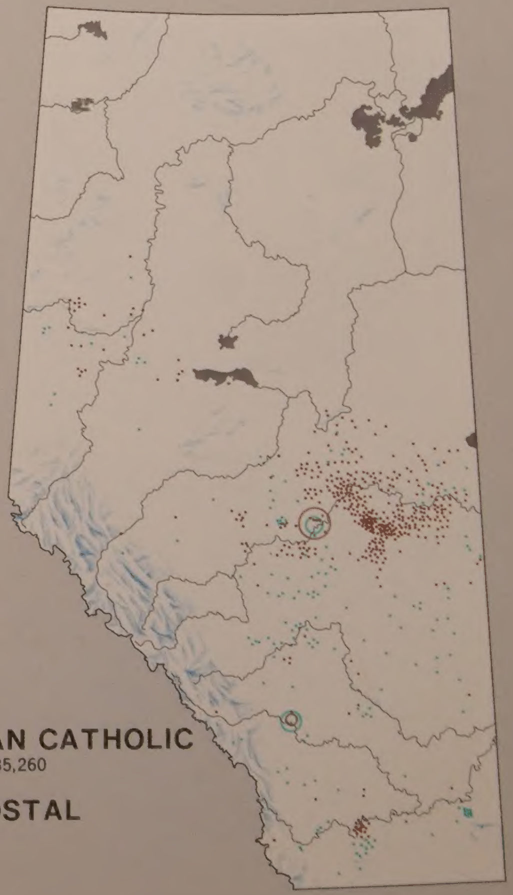
• GREEK ORTHODOX
47,353

• MORMON
25,537



• BAPTIST
42,430

• MENNONITE
16,269

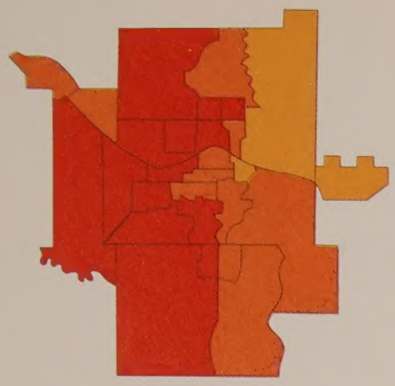


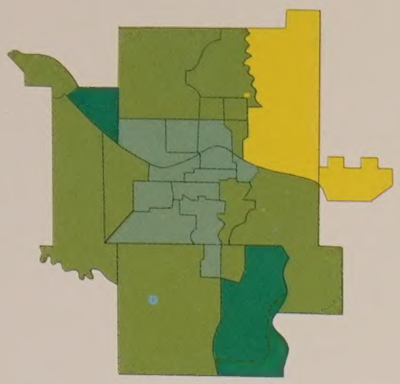
• UKRAINIAN CATHOLIC
35,260

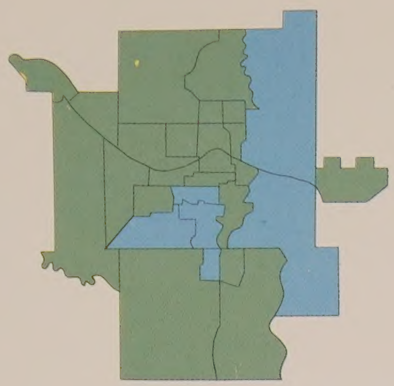
• PENTECOSTAL
15,112

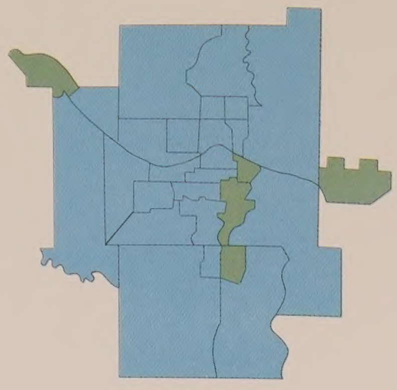
ETHNIC ORIGIN AND RELIGION, CALGARY

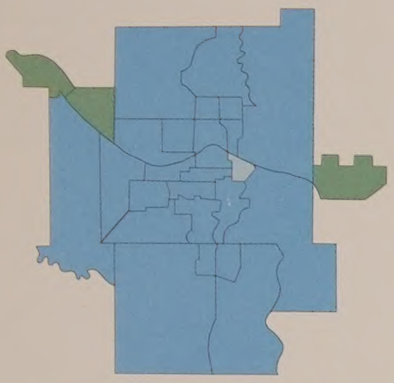
ETHNIC ORIGIN

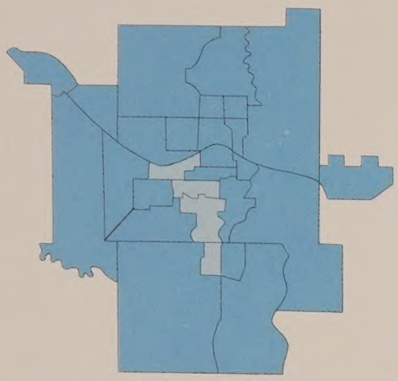

BRITISH ISLES (B.I.)
157,030

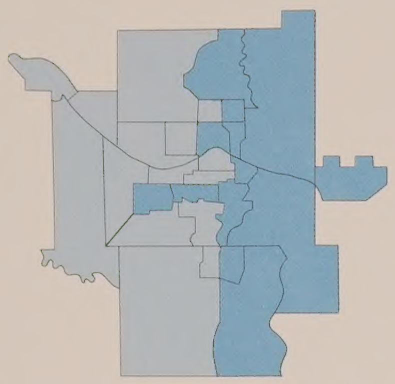

GERMAN (G)
39,010

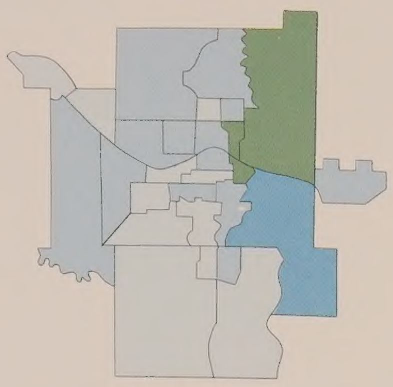

SCANDINAVIAN (S)
15,640

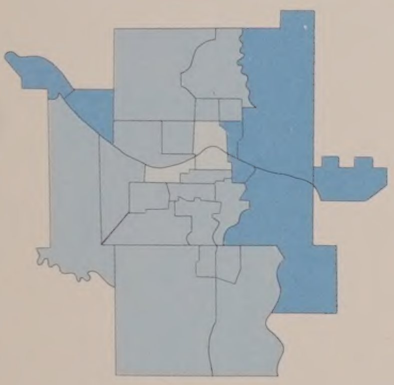

FRENCH (F)
10,830

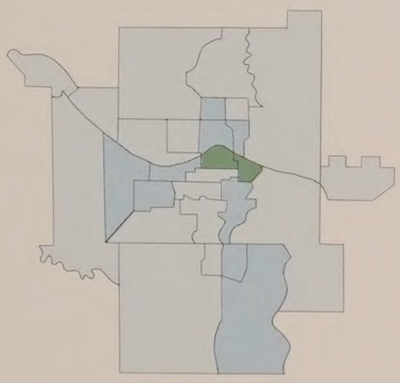

NETHERLANDS (N)
10,830

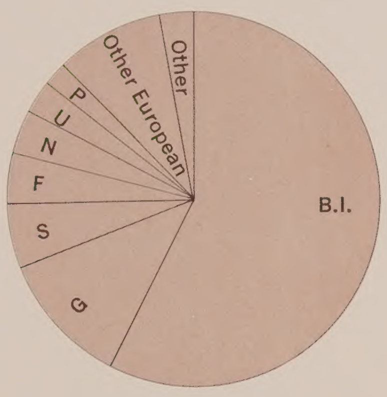

UKRAINIAN (U)
7,980

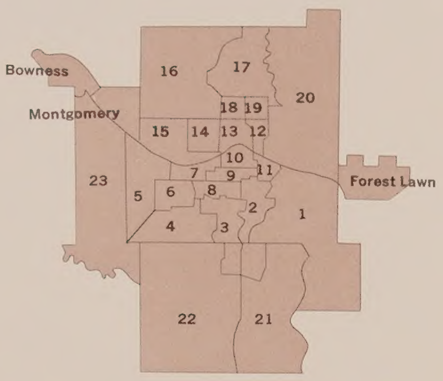

POLISH (P)
6,120


ITALIAN (I)
4,970


RUSSIAN (R)
4,300


ASIATIC (A)
3,220

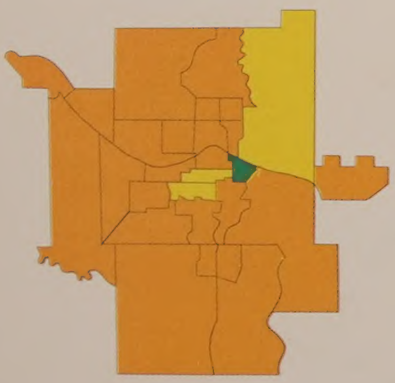


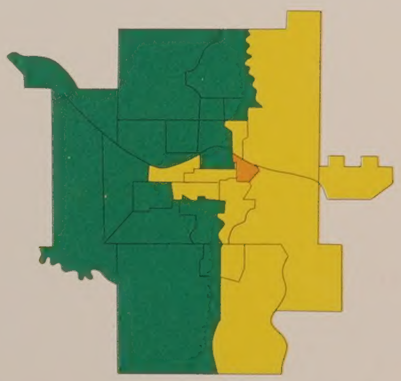

Bowness
Montgomery
Forest Lawn
16
17
20
18
19
15
14
13
12
10
7
9
11
23
5
6
8
2
1
4
3
22
21

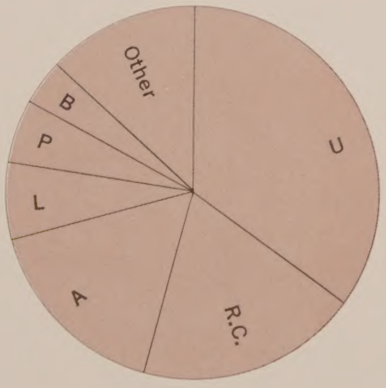
CENSUS TRACTS

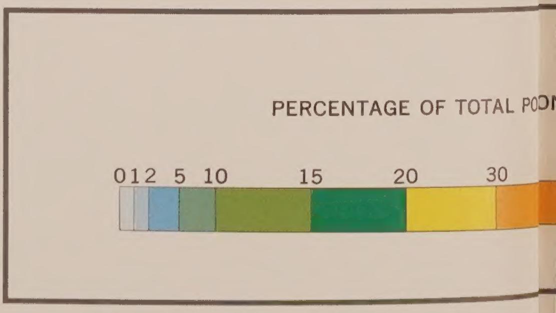
RELIGION

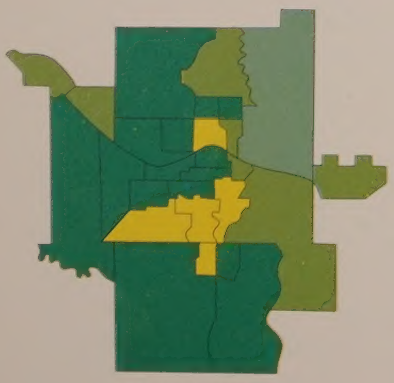
Total population: 276,165

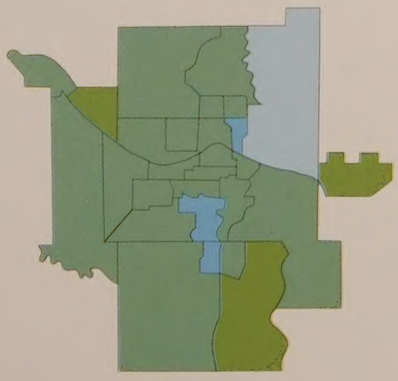

UNITED (U)
96,970

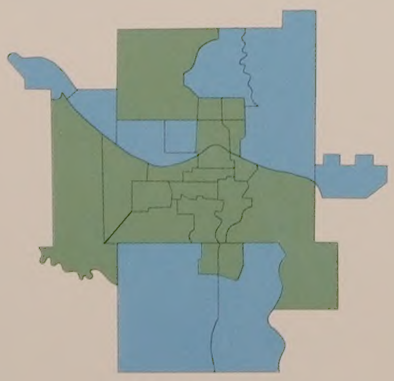

ROMAN CATHOLIC (R.C.)
53,560

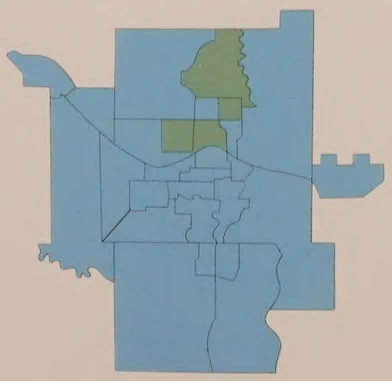


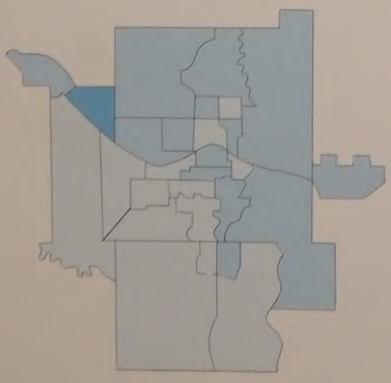

PERCENTAGE OF TOTAL PO
0
1
2
5
10
15
20
30

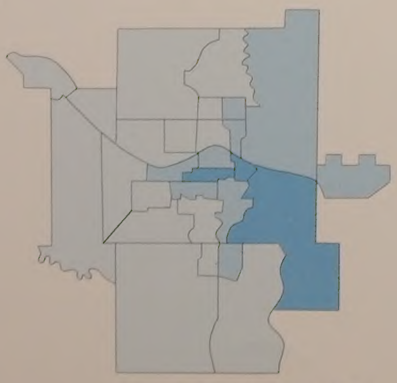

ANGLICAN (A)
45,800

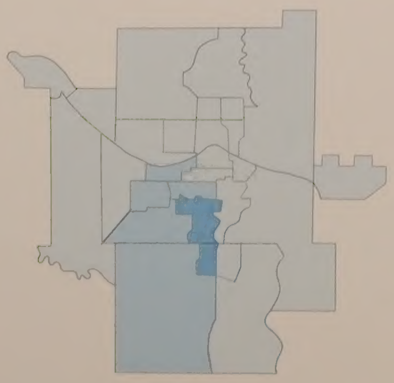

LUTHERAN (L)
18,740

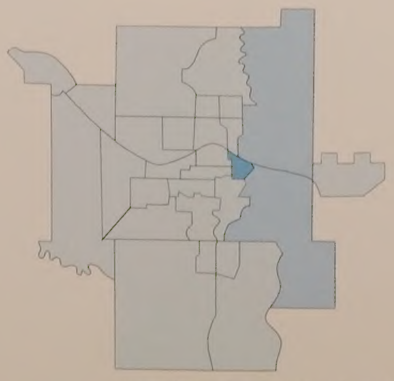

PRESBYTERIAN (P)
15,280


BAPTIST (B)
11,140

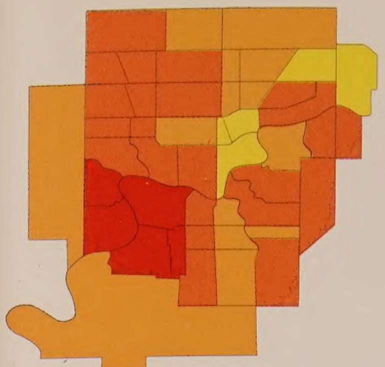

PENTECOSTAL (Pen)
2,820

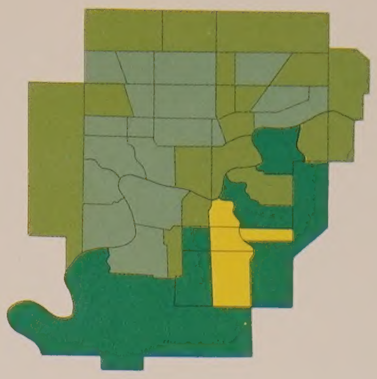

GREEK ORTHODOX (G.O.)
2,770

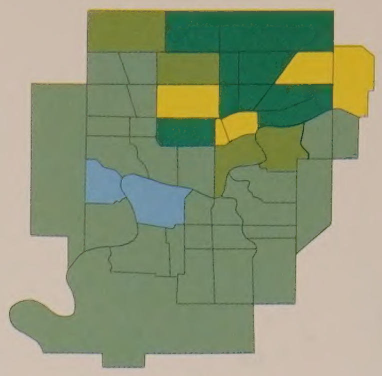

HEBREW (H)
1,780

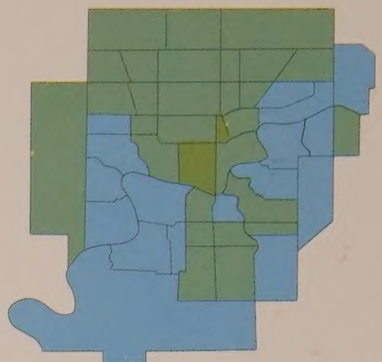

UKRAINIAN CATHOLIC (U.C.)
1,570

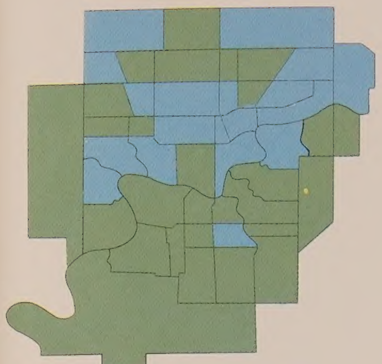
ETHNIC ORIGIN

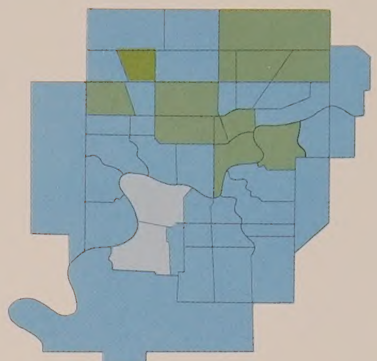

BRITISH ISLES (B.I.)
145,430

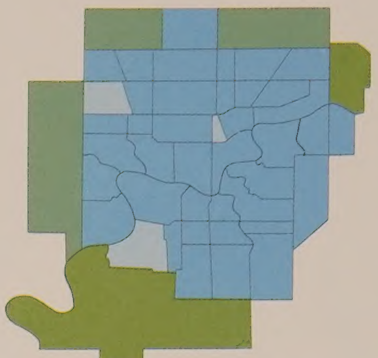

GERMAN (G)
39,710

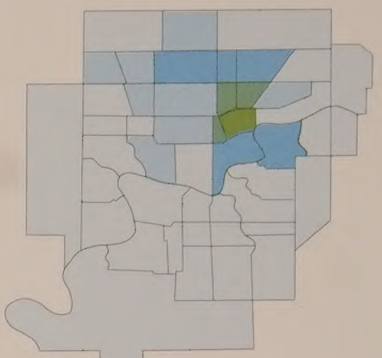

UKRAINIAN (U)
37,130

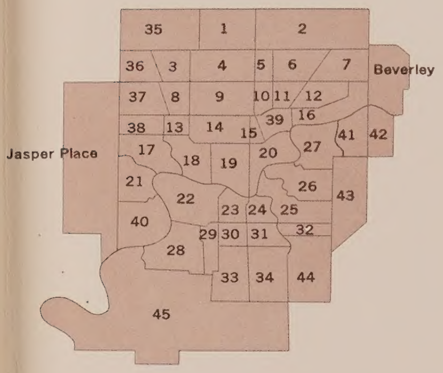

FRENCH (F)
20,770


SCANDINAVIAN (S)
16,930


POLISH (P)
13,120

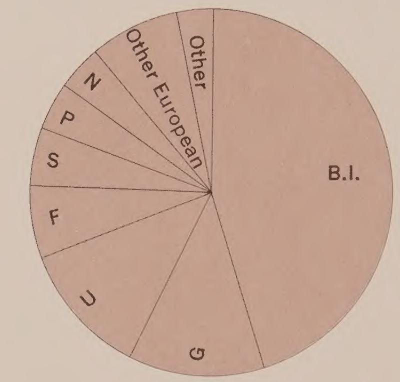

NETHERLANDS (N)
12,950

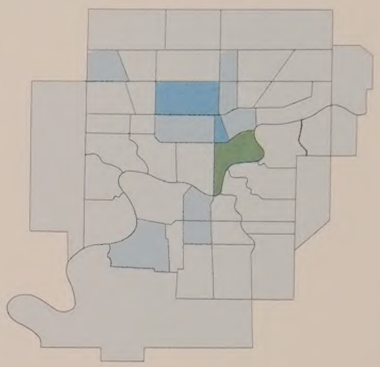

ITALIAN (I)
4,300

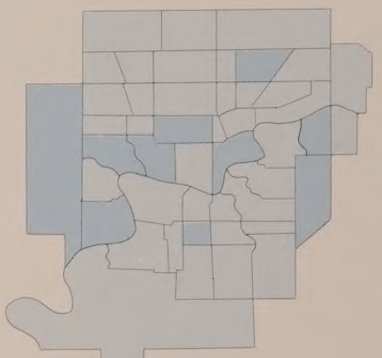

35
1
2
36
3
4
5
6
7
Beverley
37
8
9
10
11
12
39
16
38
13
14
15
Jasper Place
17
18
19
20
27
41
42
21
22
26
43
40
23
24
25
29
30
31
32
28
33
34
44
45

CENSUS TRACTS

Total population: 320,598

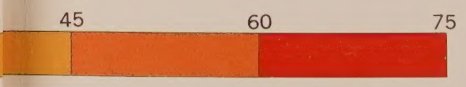


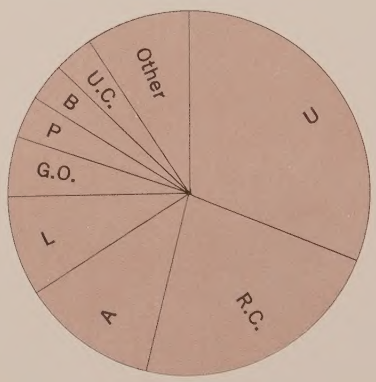

ASIATIC (A)
2,990

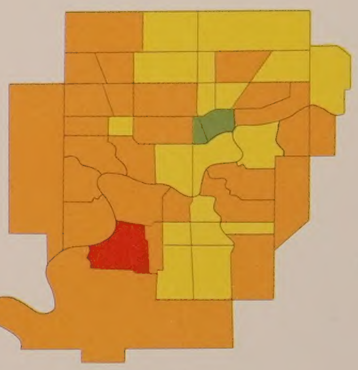

RUSSIAN (R)
2,250

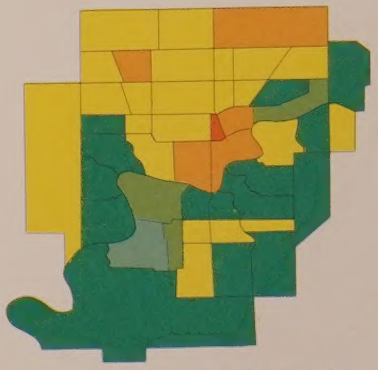
RELIGION

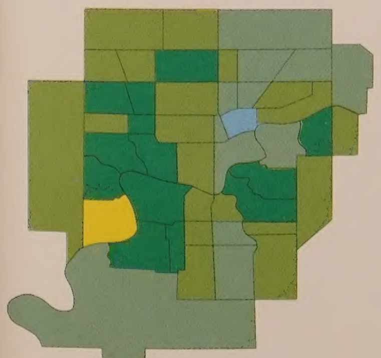
ON IN EACH CENSUS TRACT

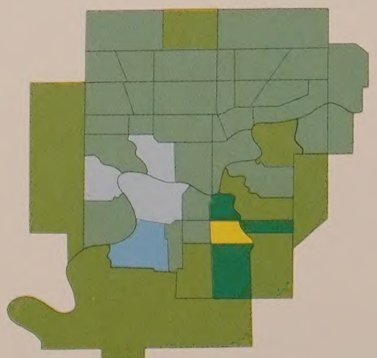


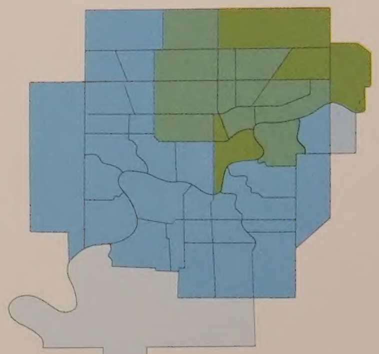


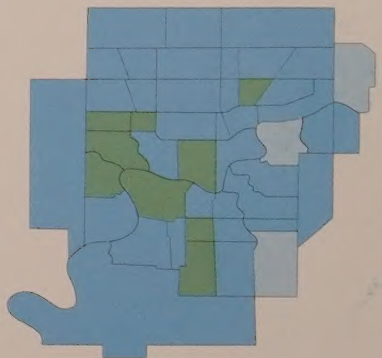

UNITED (U)
99,880

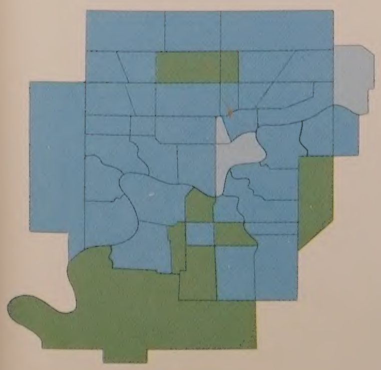

ROMAN CATHOLIC (R.C.)
72,950

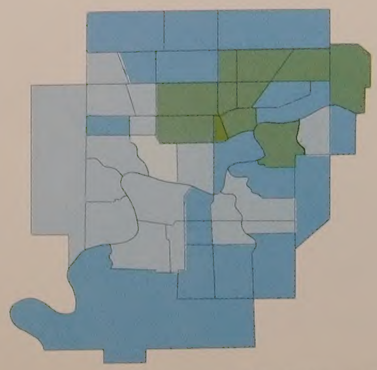

ANGLICAN (A)
38,980

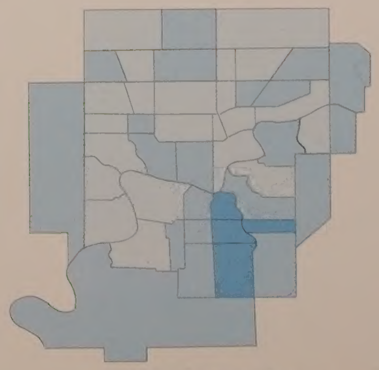

LUTHERAN (L)
28,100

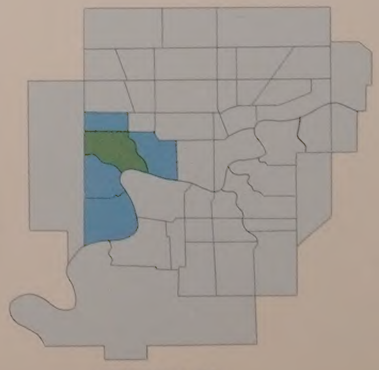

GREEK ORTHODOX (G.O.)
16,820


PRESBYTERIAN (P)
12,260

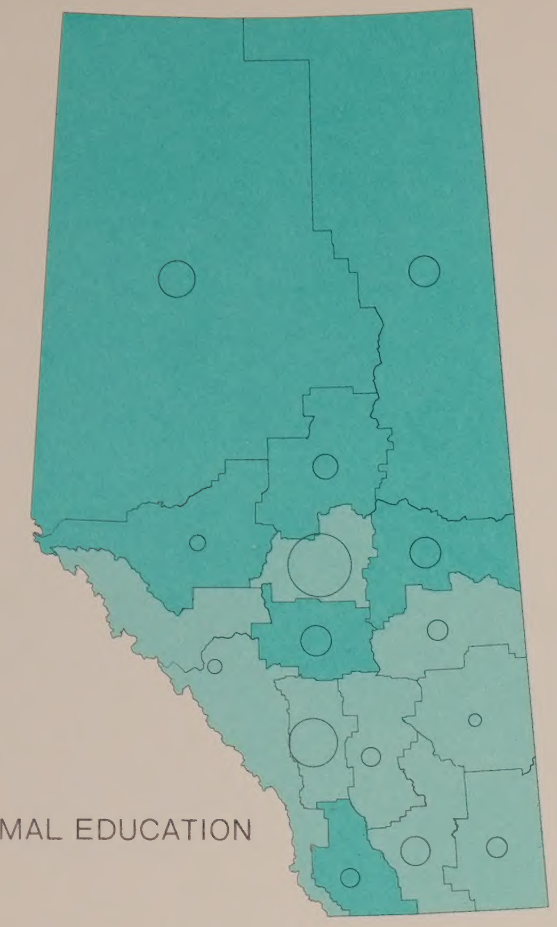

BAPTIST (B)
11,020

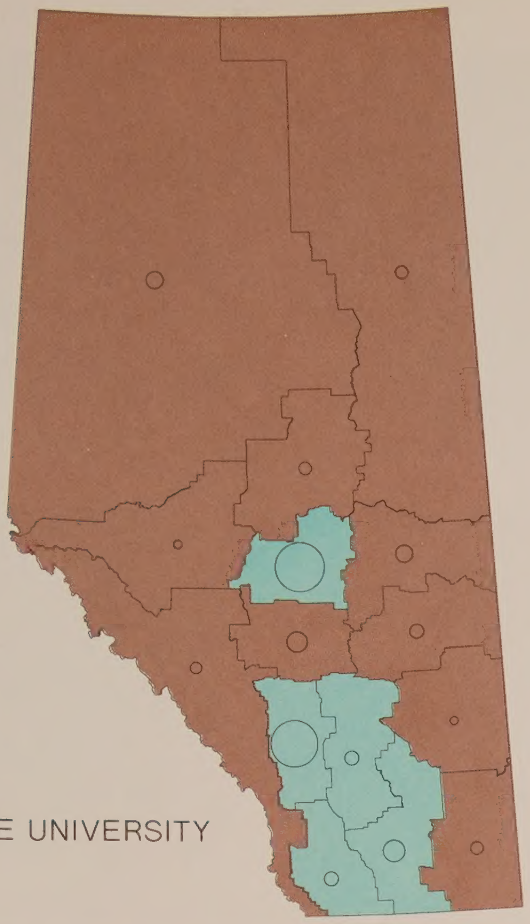

UKRAINIAN CATHOLIC (U.C.)
10,470

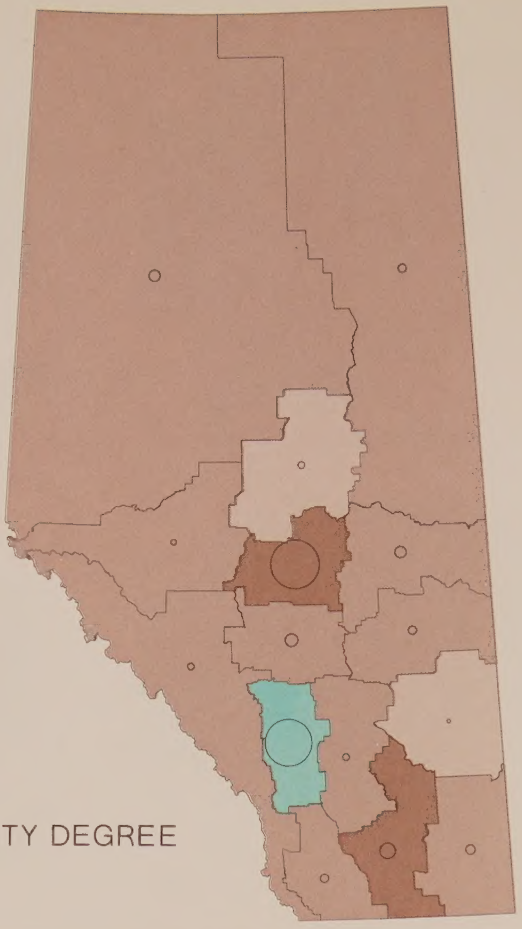

PENTECOSTAL (Pen)
3,510

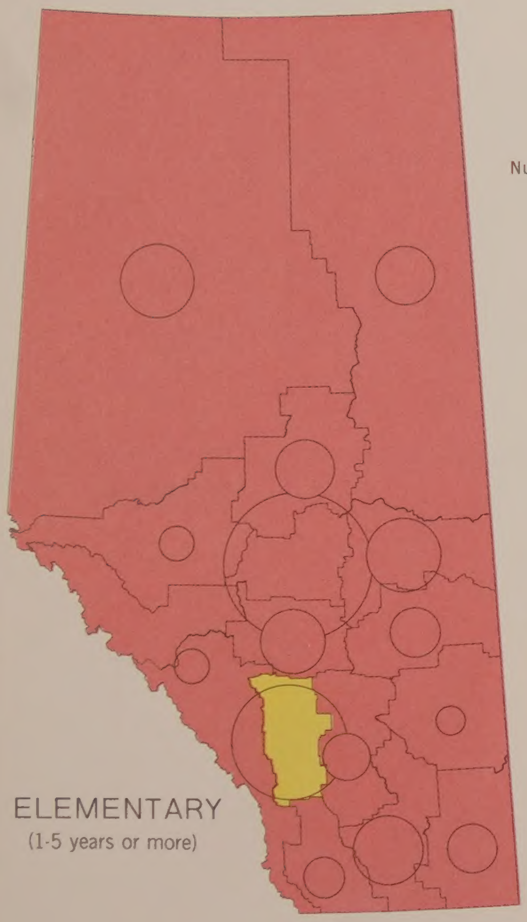

HEBREW (H)
1,890

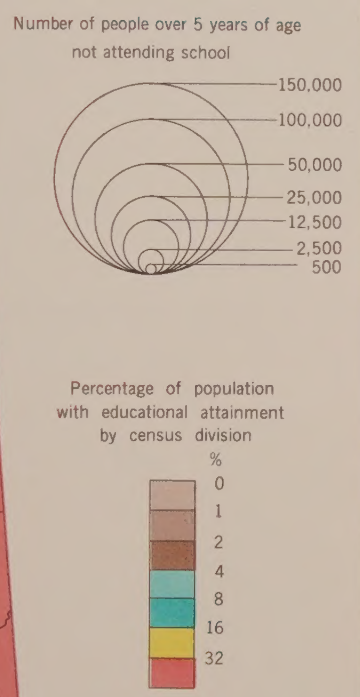
EDUCATIONAL ATTAINMENT

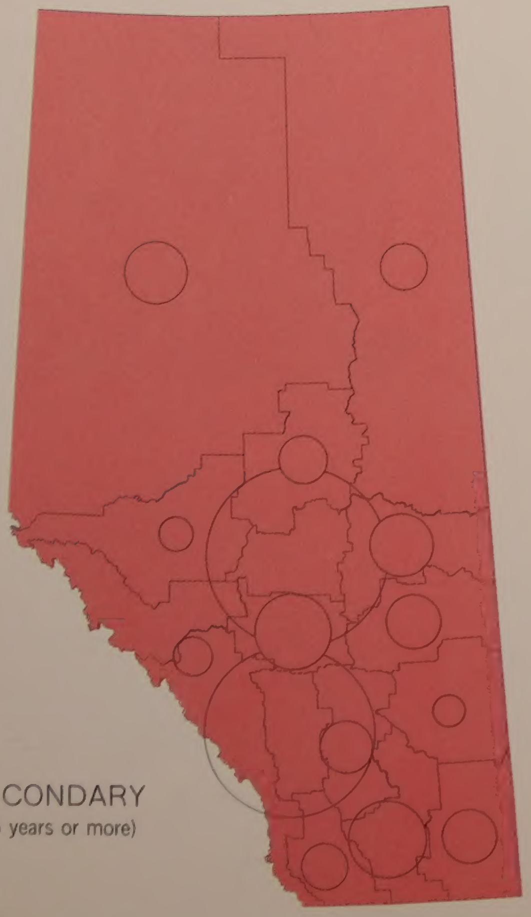

NO FORMAL EDUCATION

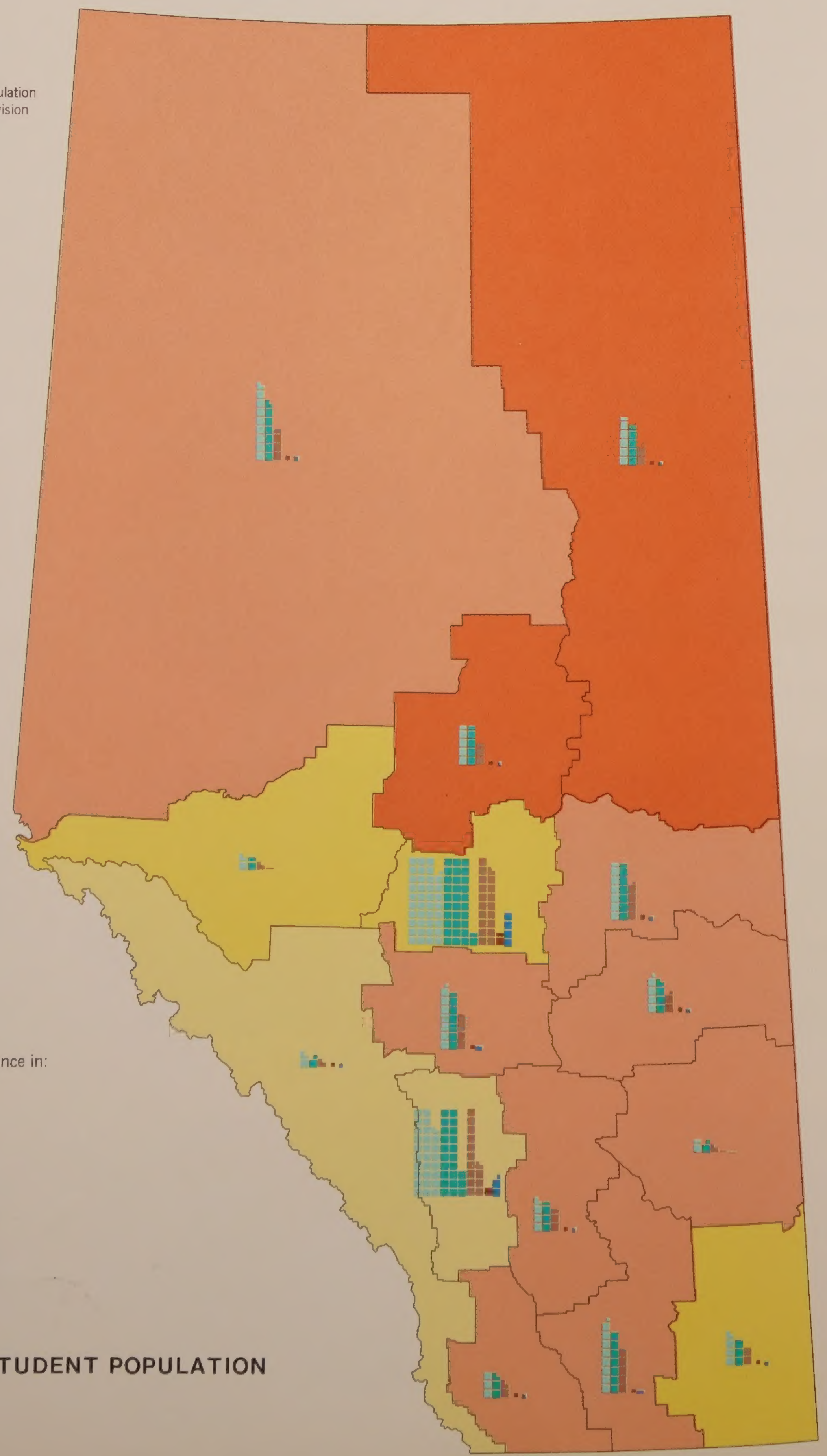

INCOMPLETE UNIVERSITY


UNIVERSITY DEGREE


ELEMENTARY
(1-5 years or more)


Number of people over 5 years of age
not attending school
150,000
100,000
50,000
25,000
12,500
2,500
500
Percentage of population
with educational attainment
by census division
%
0
1
2
4
8
16
32


SECONDARY
(1-5 years or more)


Percentage of total population
in school by census division
%
20
22
24
26
28
Years of attendance in:
Elementary
1-4
more than 5
Secondary
1-4
more than 5
University
1000 students

STUDENT POPULATION

CHANGES IN EMPLOYMENT STRUCTURE, 1941-1961

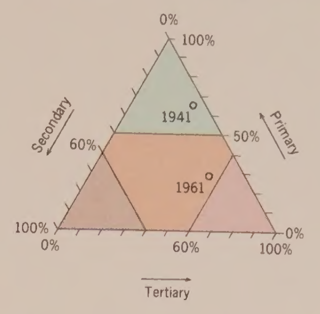
LABOUR FORCE EMPLOYED IN:

- 🟦 Primary Activity: agriculture, forestry, fishing, trapping, mines, quarries, oil wells.
- 🟫 Secondary Structure: manufacturing, construction.
- 🟥 Tertiary Structure: transport, communications, utilities, finance, administration, other services.

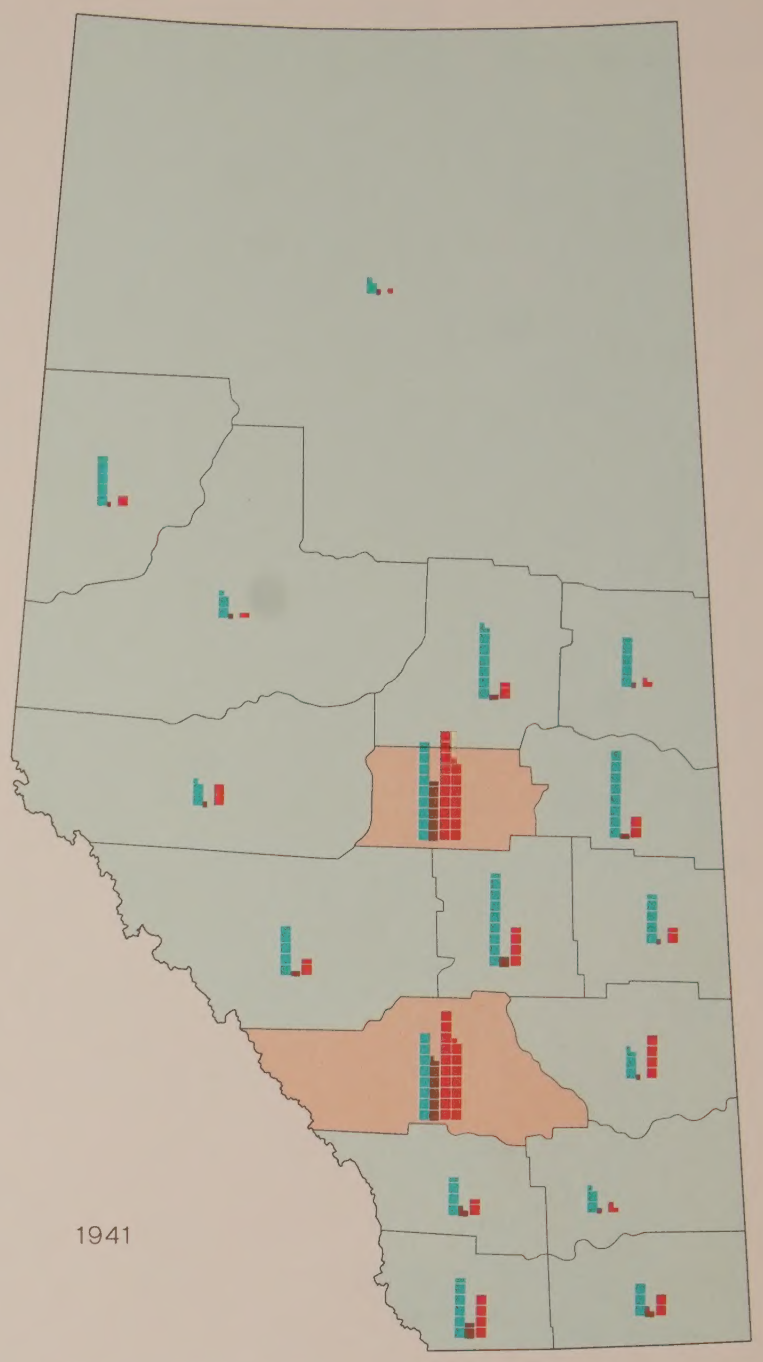
Each full square represents 2000 people.

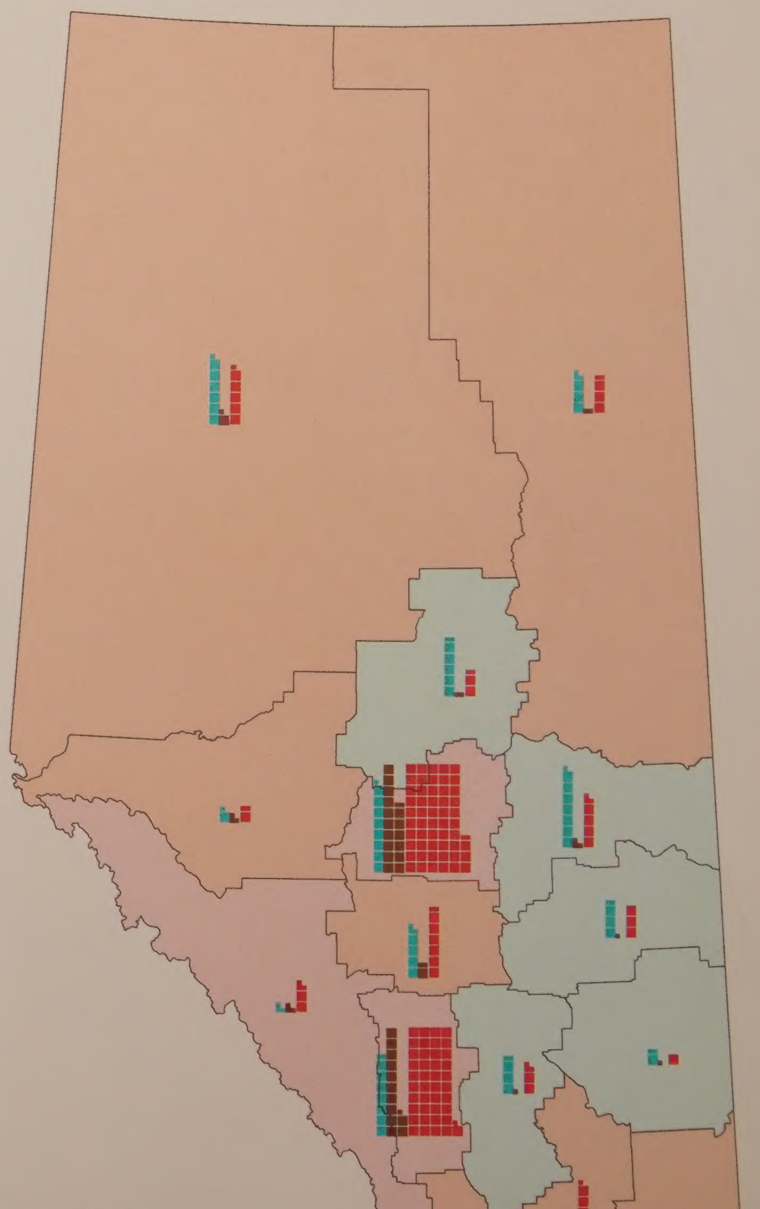
TYPES OF ECONOMIC STRUCTURE: based on proportion of labour force employed in each activity

- 🟩 Primary
- 🟫 Secondary
- 🟪 Tertiary
- 🟧 Mixed

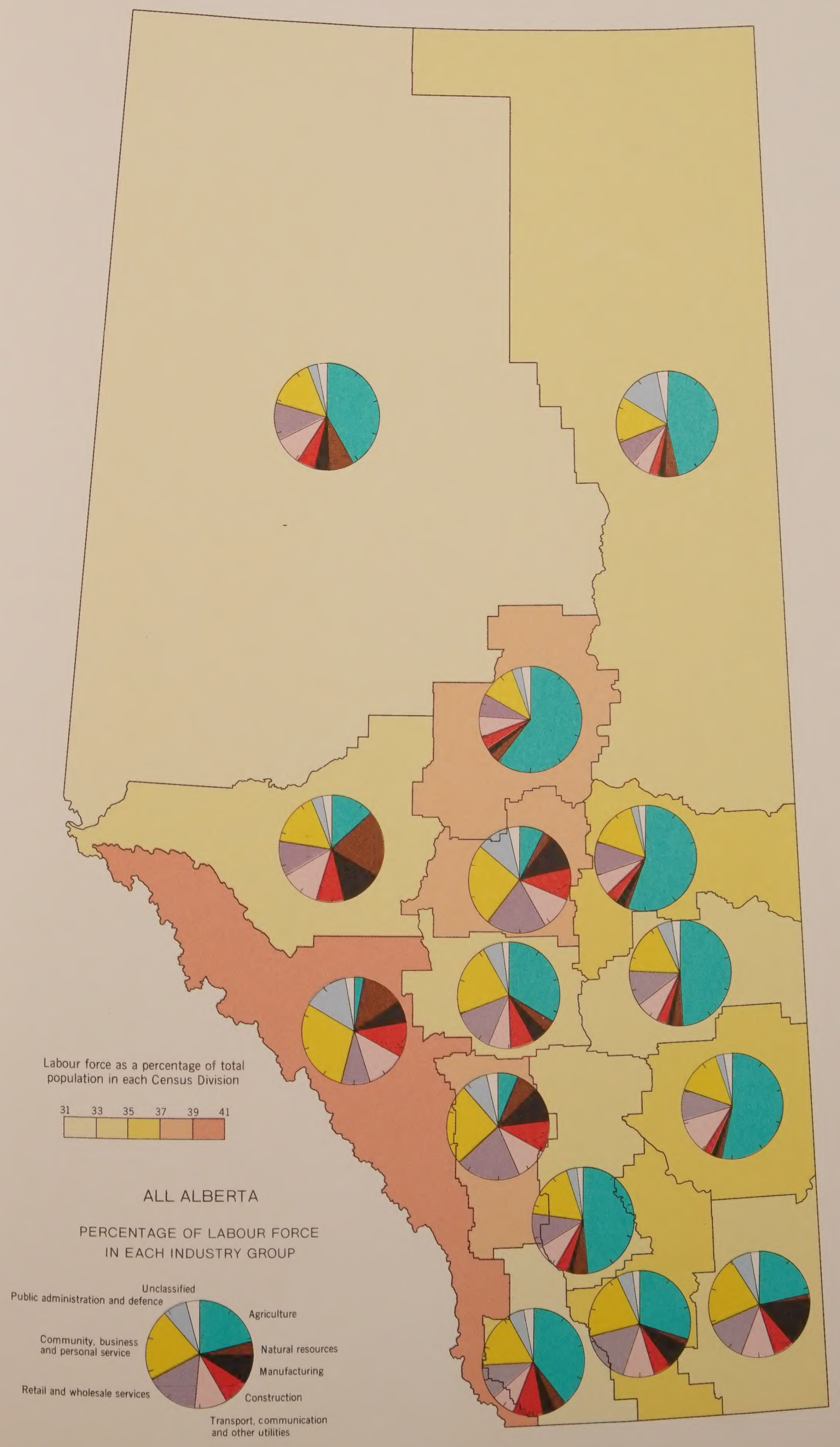

0%
100%
1941
Secondary
60%
50%
Primary
1961
100%
0%
0%
60%
100%
Tertiary

Note: the Census Division boundaries were changed between 1941 and 1961.





EMPLOYMENT STRUCTURE


Labour force as a percentage of total population in each Census Division
31
33
35
37
39
41
ALL ALBERTA
PERCENTAGE OF LABOUR FORCE IN EACH INDUSTRY GROUP
Unclassified
Public administration and defence
Agriculture
Community, business and personal service
Natural resources
Manufacturing
Construction
Retail and wholesale services
Transport, communication and other utilities

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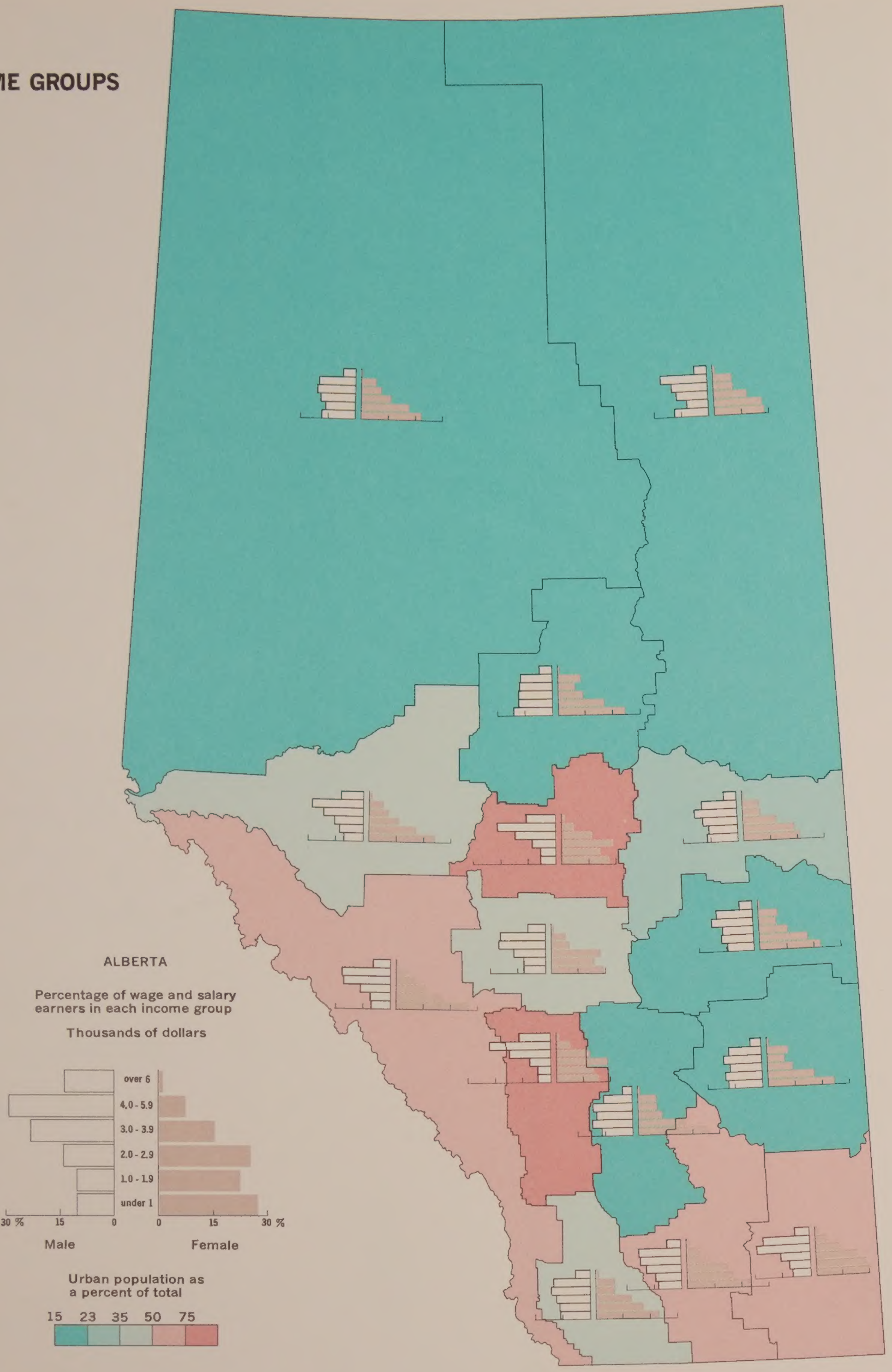
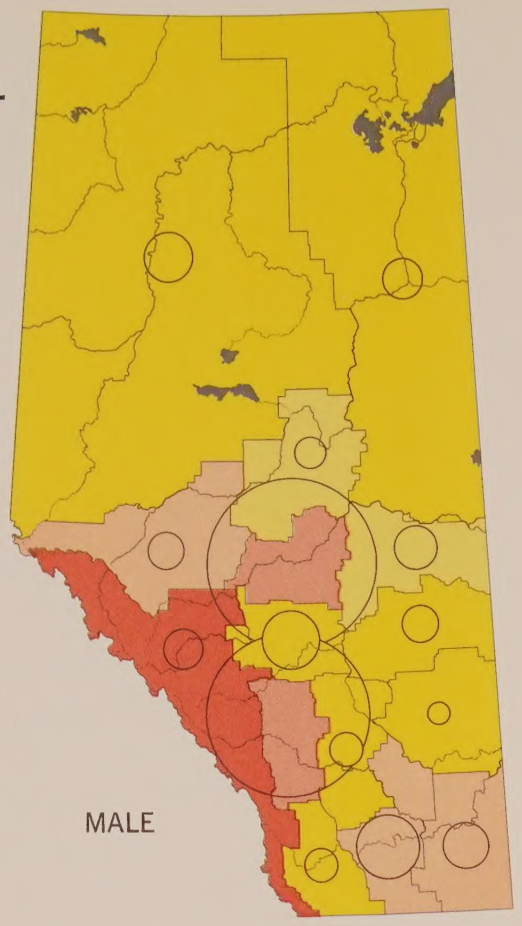
INCOME FROM WAGES AND SALARIES

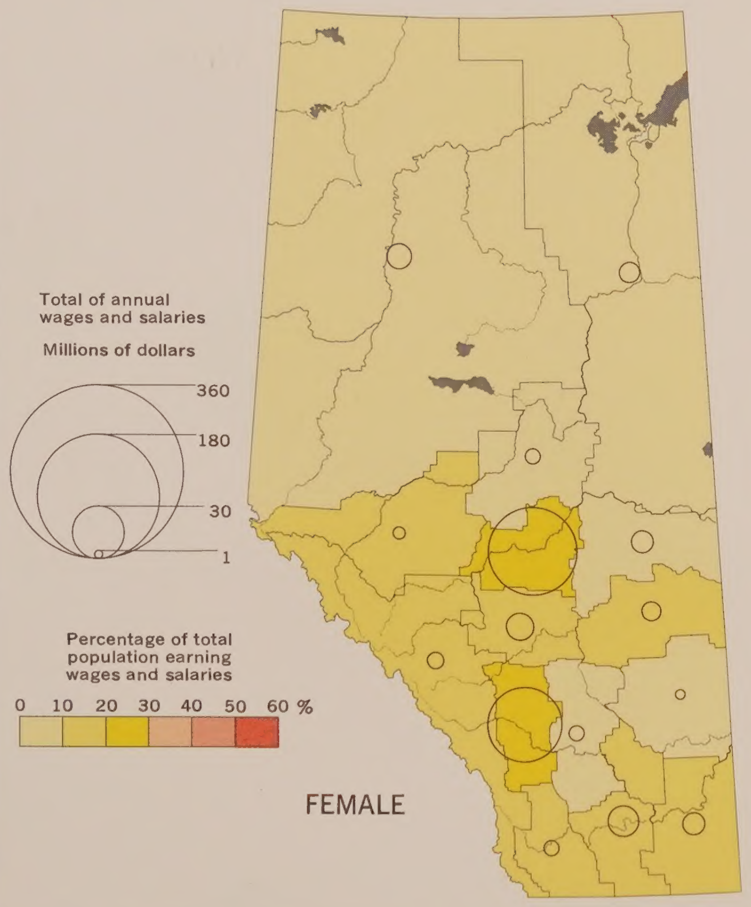
INCOME GROUPS


ALBERTA
Percentage of wage and salary earners in each income group
Thousands of dollars
over 6
4.0 - 5.9
3.0 - 3.9
2.0 - 2.9
1.0 - 1.9
under 1
30 %
15
0
0
15
30 %
Male
Female
Urban population as a percent of total
15
23
35
50
75

TOTAL ANNUAL INCOME

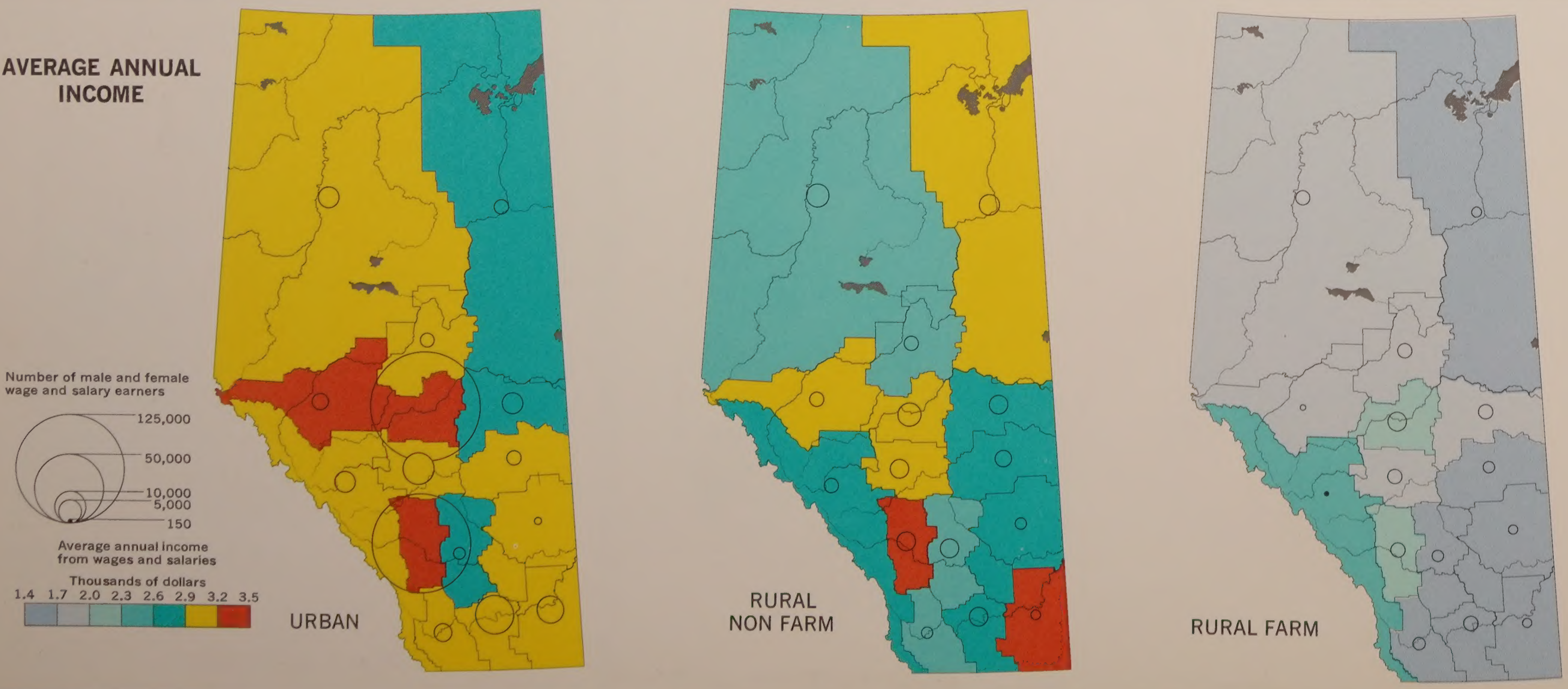


MALE


Total of annual wages and salaries
Millions of dollars
360
180
30
1
Percentage of total population earning wages and salaries
0
10
20
30
40
50
60 %

FEMALE

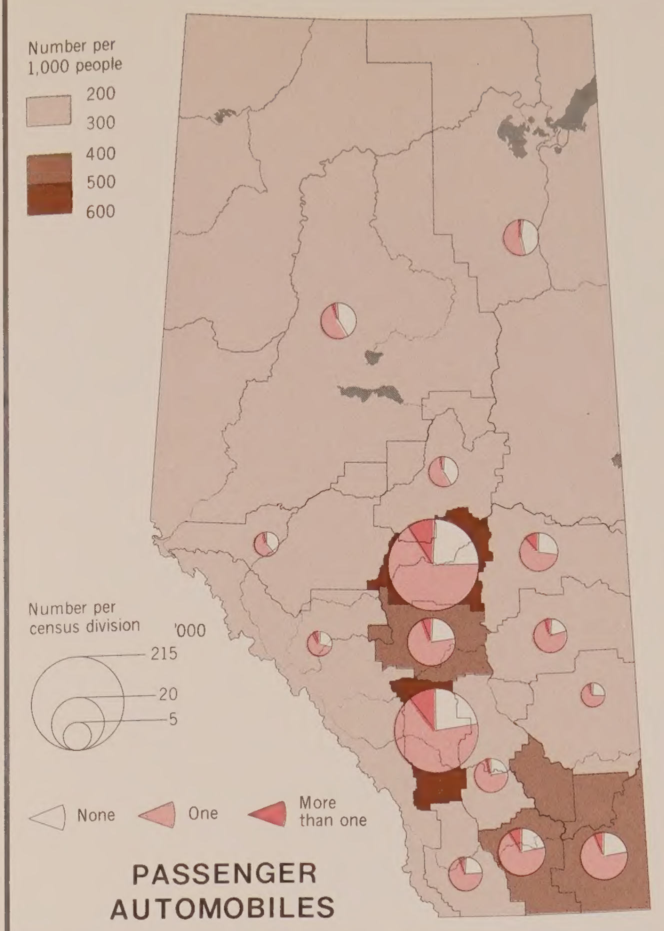
AVERAGE ANNUAL INCOME


Number of male and female wage and salary earners
125,000
50,000
10,000
5,000
150
Average annual income from wages and salaries
Thousands of dollars
1.4
1.7
2.0
2.3
2.6
2.9
3.2
3.5

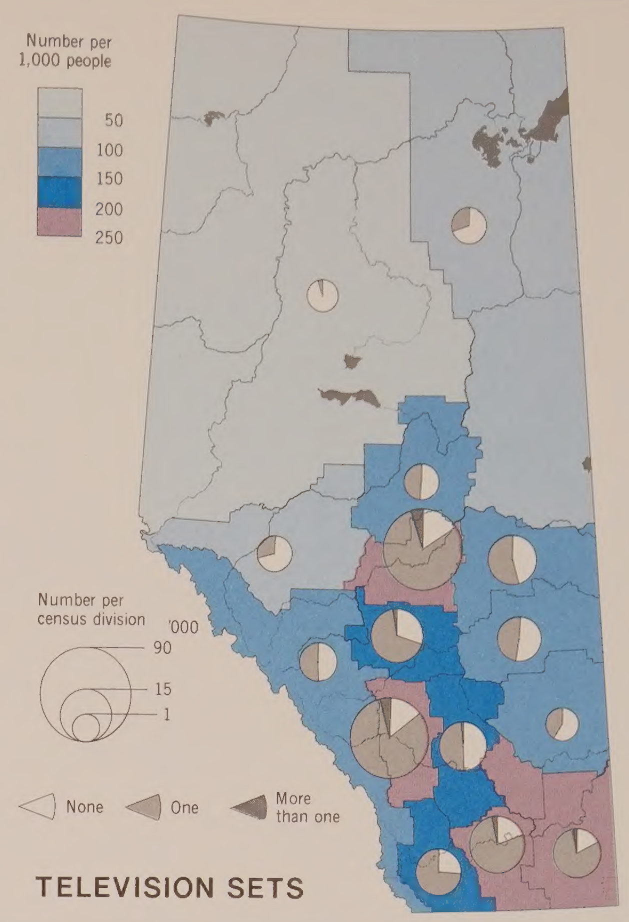
URBAN

RURAL NON FARM

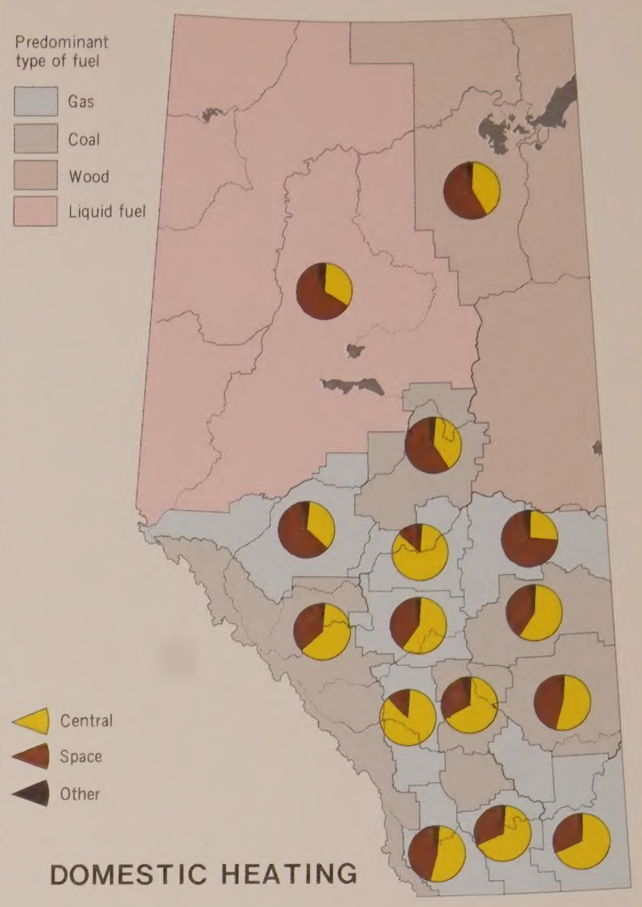
RURAL FARM


Number per 1,000 people
200
300
400
500
600
Number per census division
'000
215
20
5
None
One
More than one

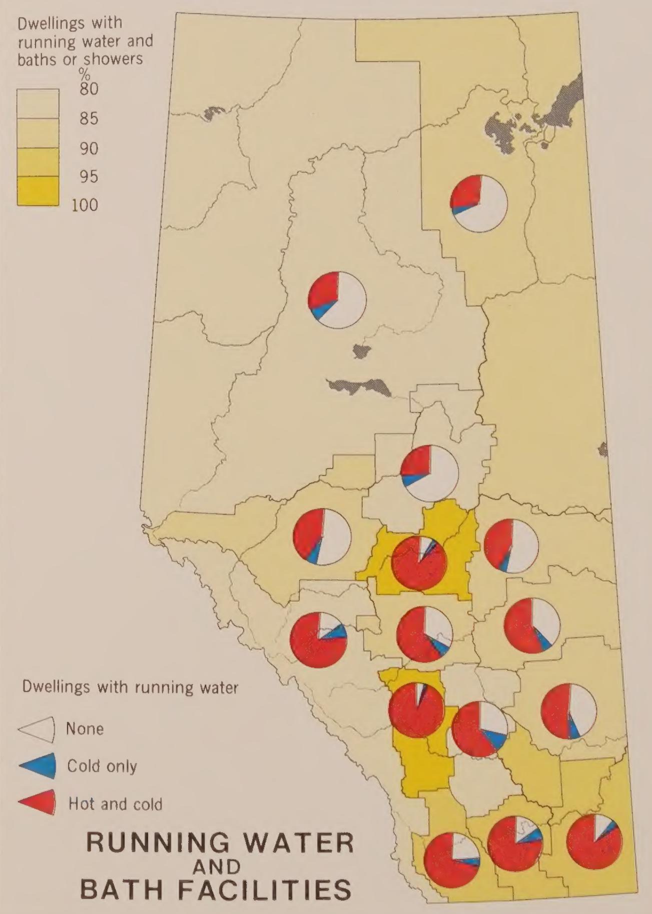
PASSENGER AUTOMOBILES


Number per 1,000 people
50
100
150
200
250
Number per census division
'000
90
15
1
None
One
More than one

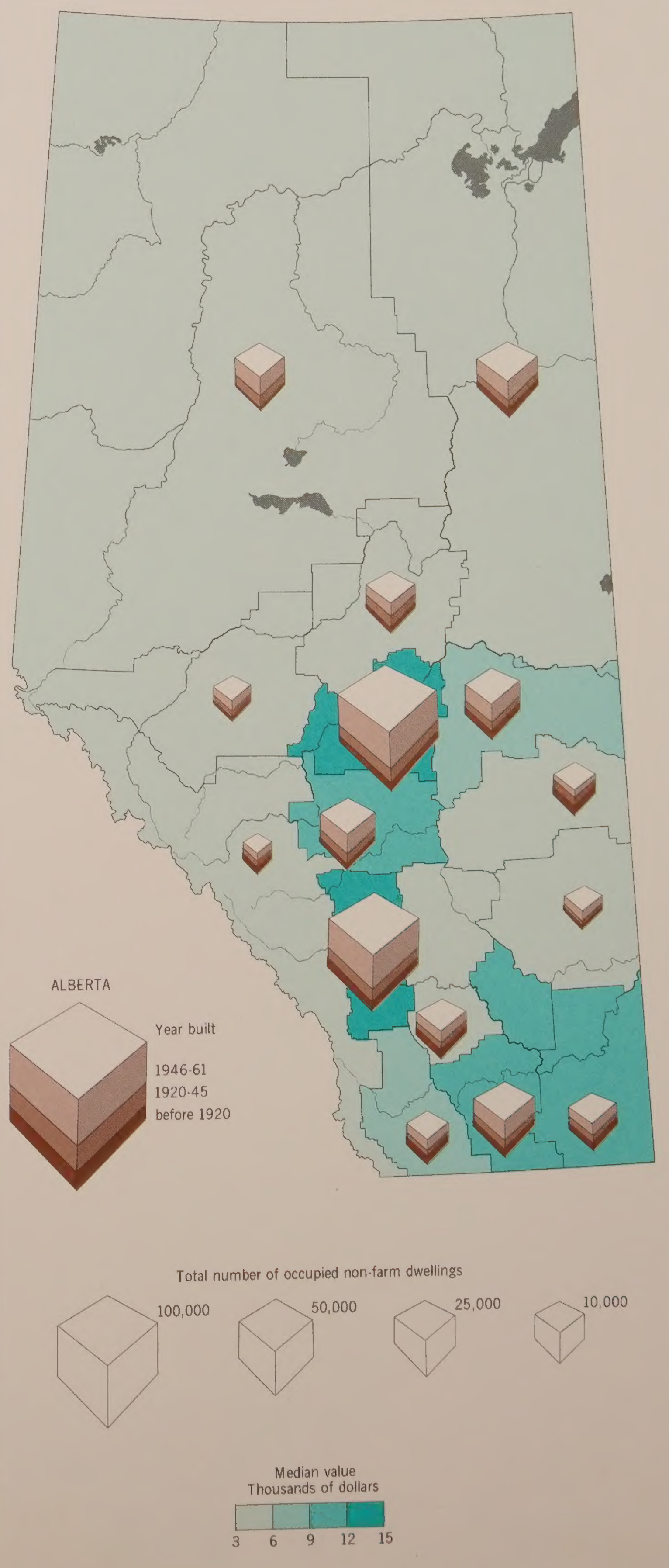
TELEVISION SETS


Predominant type of fuel
Gas
Coal
Wood
Liquid fuel
Central
Space
Other

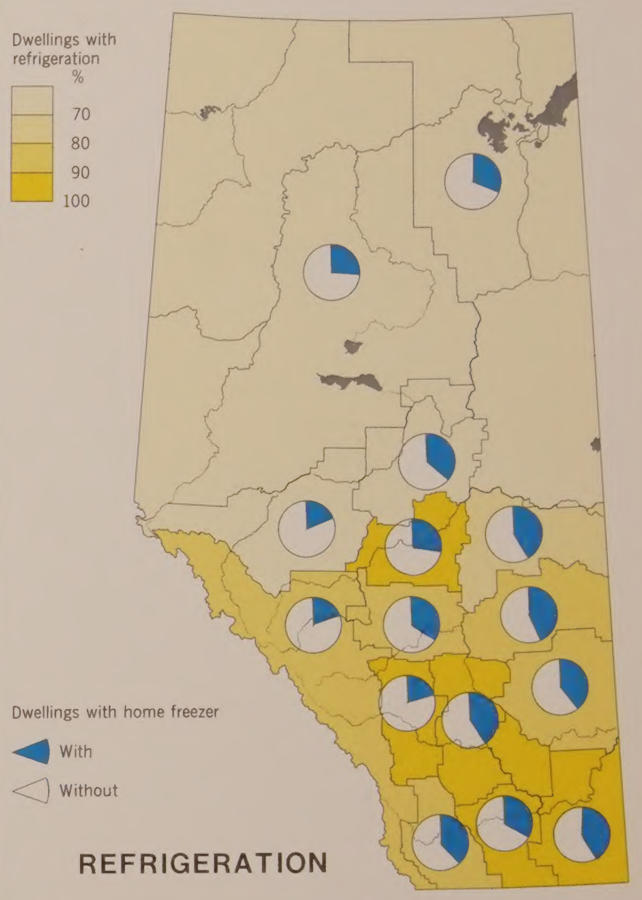
DOMESTIC HEATING


Dwellings with running water and baths or showers
%
80
85
90
95
100
Dwellings with running water
None
Cold only
Hot and cold

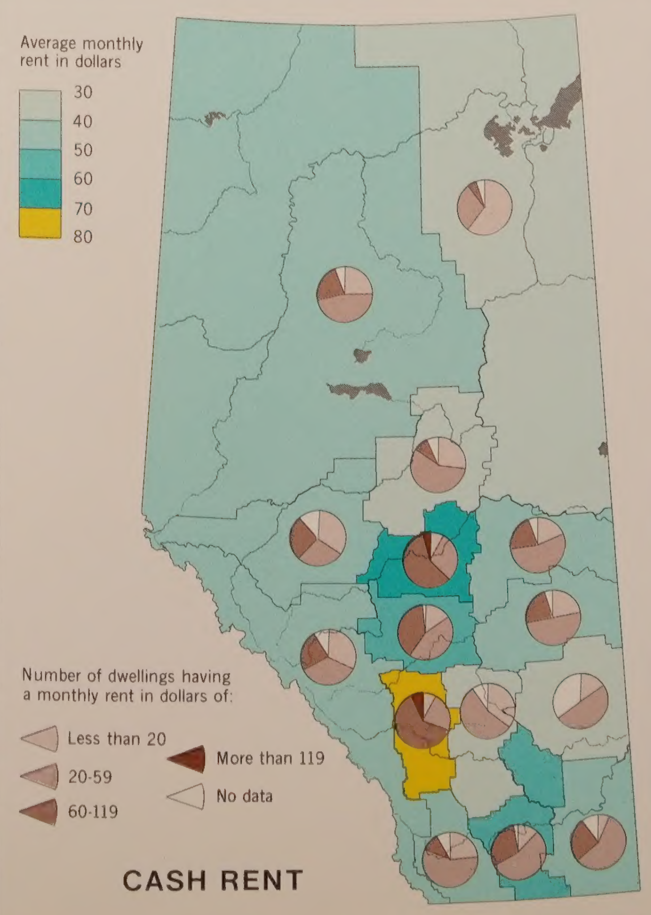
RUNNING WATER AND BATH FACILITIES


ALBERTA
Year built
1946-61
1920-45
before 1920
Total number of occupied non-farm dwellings
100,000
50,000
25,000
10,000
Median value
Thousands of dollars
3
6
9
12
15

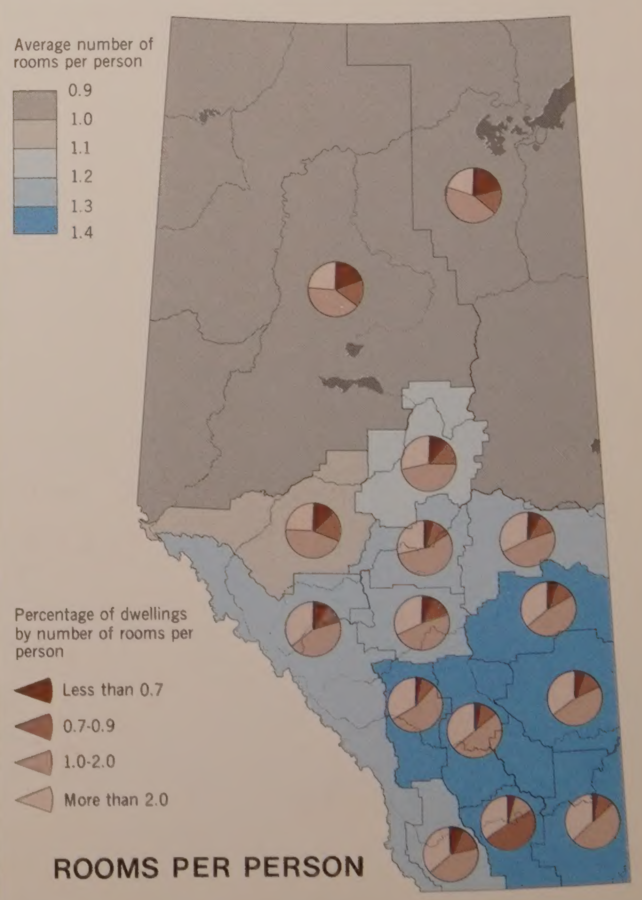
HOUSING CHARACTERISTICS


Dwellings with refrigeration
%
70
80
90
100
Dwellings with home freezer
With
Without

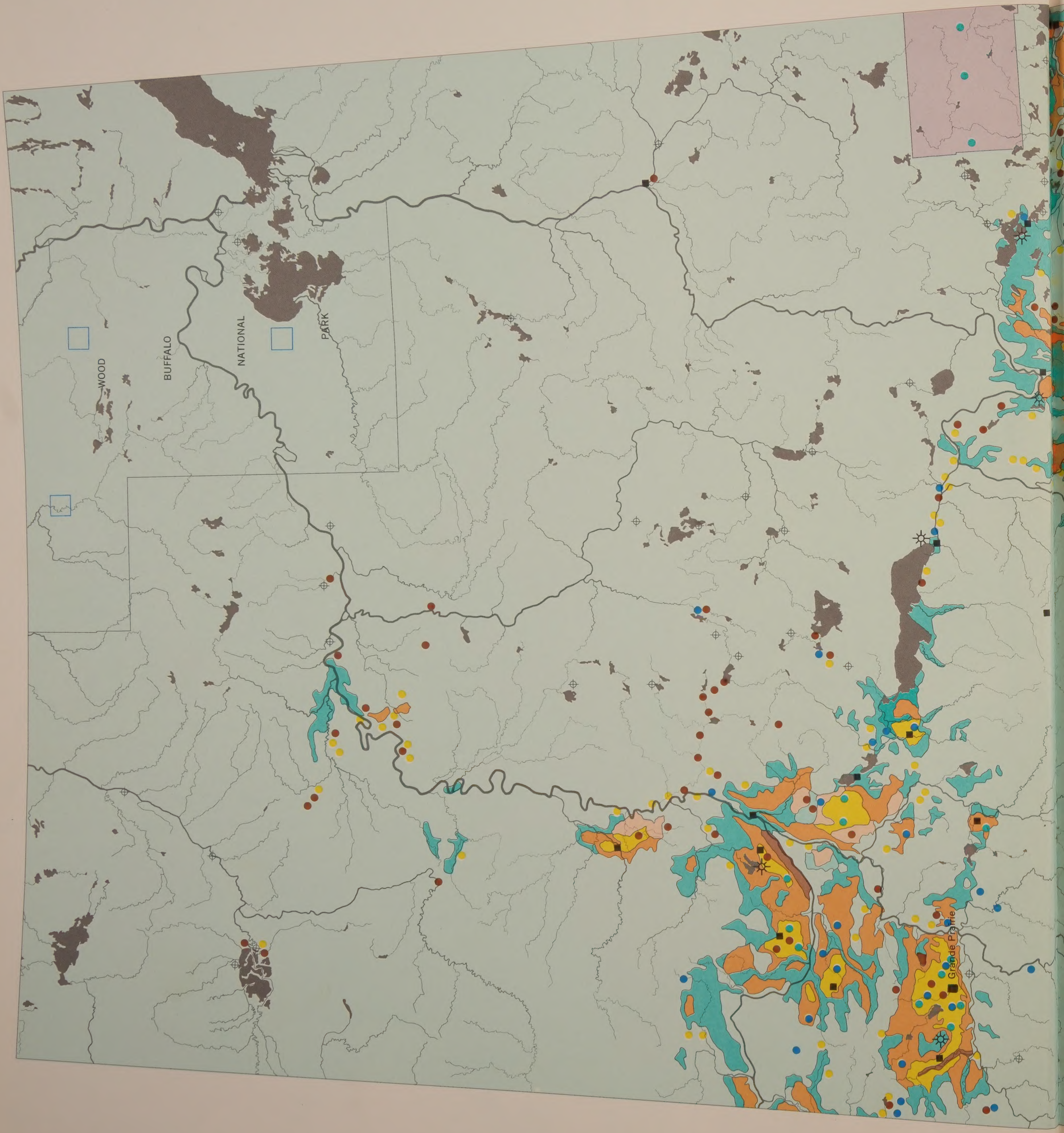
REFRIGERATION

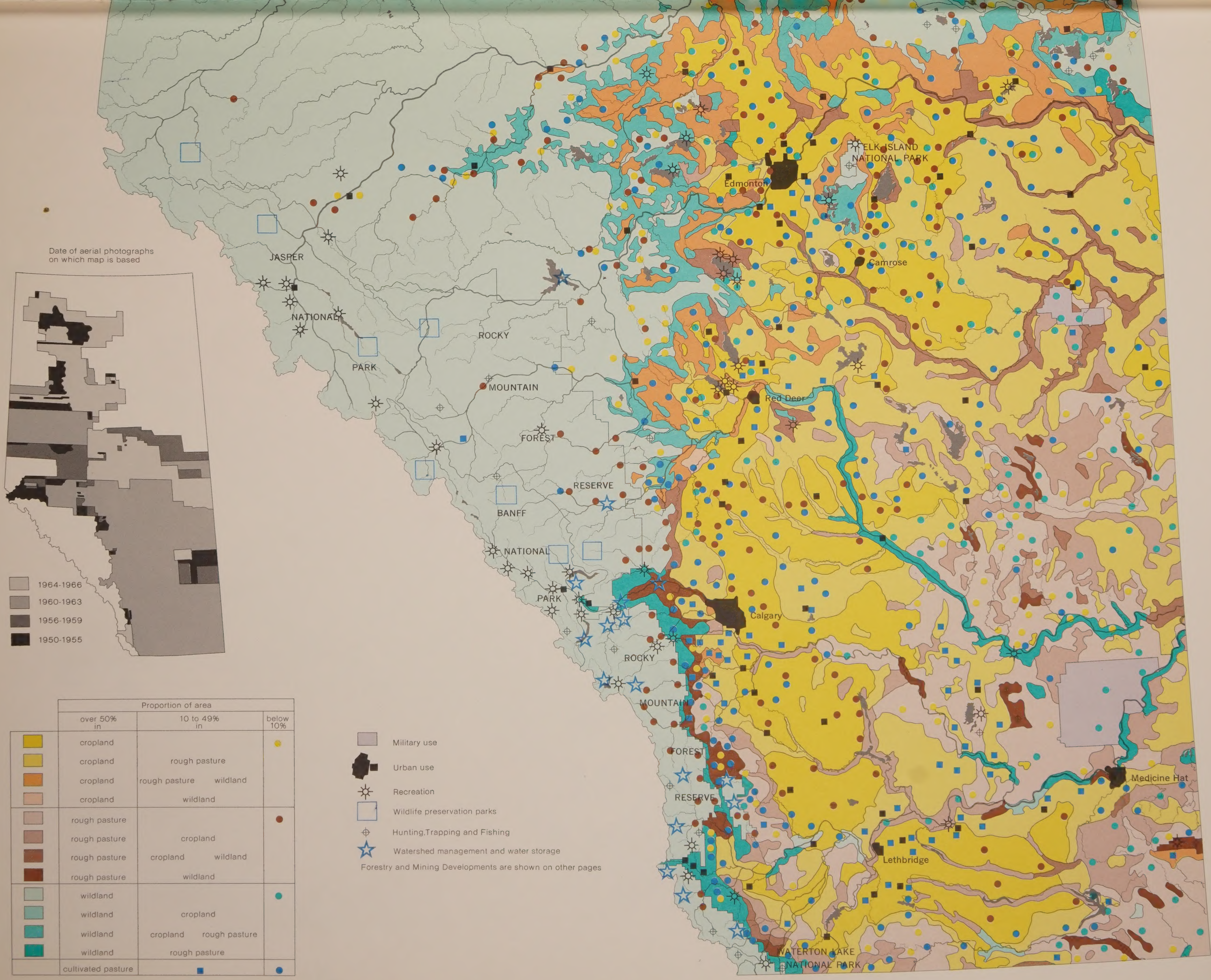

Average monthly rent in dollars
30
40
50
60
70
80
Number of dwellings having a monthly rent in dollars of:
Less than 20
20-59
60-119
More than 119
No data

CASH RENT


Average number of rooms per person
0.9
1.0
1.1
1.2
1.3
1.4
Percentage of dwellings by number of rooms per person
Less than 0.7
0.7-0.9
1.0-2.0
More than 2.0

ROOMS PER PERSON


WOOD
BUFFALO
NATIONAL
PARK
Grande Prairie


ELK ISLAND NATIONAL PARK
Edmonton
Camrose
Red Deer
Calgary
Medicine Hat
Lethbridge
WATERTON LAKE NATIONAL PARK
JASPER NATIONAL PARK
ROCKY MOUNTAIN FOREST RESERVE
BANFF NATIONAL PARK
ROCKY MOUNTAIN FOREST RESERVE

Date of aerial photographs on which map is based

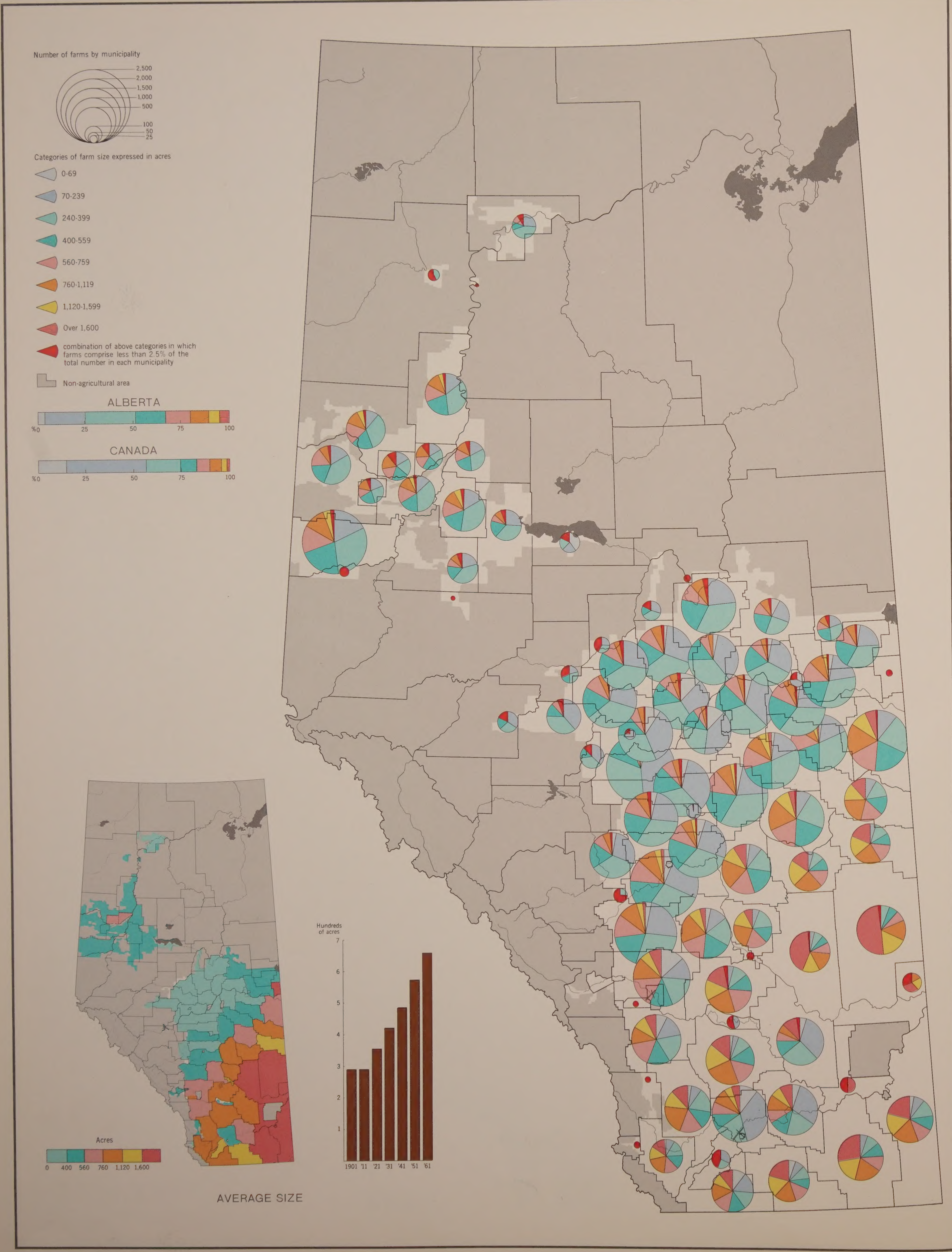
- ■ 1964-1966
- ■ 1960-1963
- ■ 1956-1959
- ■ 1950-1955

	Proportion of area		
	over 50% in	10 to 49% in	below 10%
■	cropland		●
■	cropland	rough pasture	
■	cropland	rough pasture wildland	
■	cropland	wildland	
■	rough pasture		●
■	rough pasture	cropland	
■	rough pasture	cropland wildland	
■	rough pasture	wildland	
■	wildland		●
■	wildland	cropland	
■	wildland	cropland rough pasture	
■	wildland	rough pasture	
	cultivated pasture	■	●

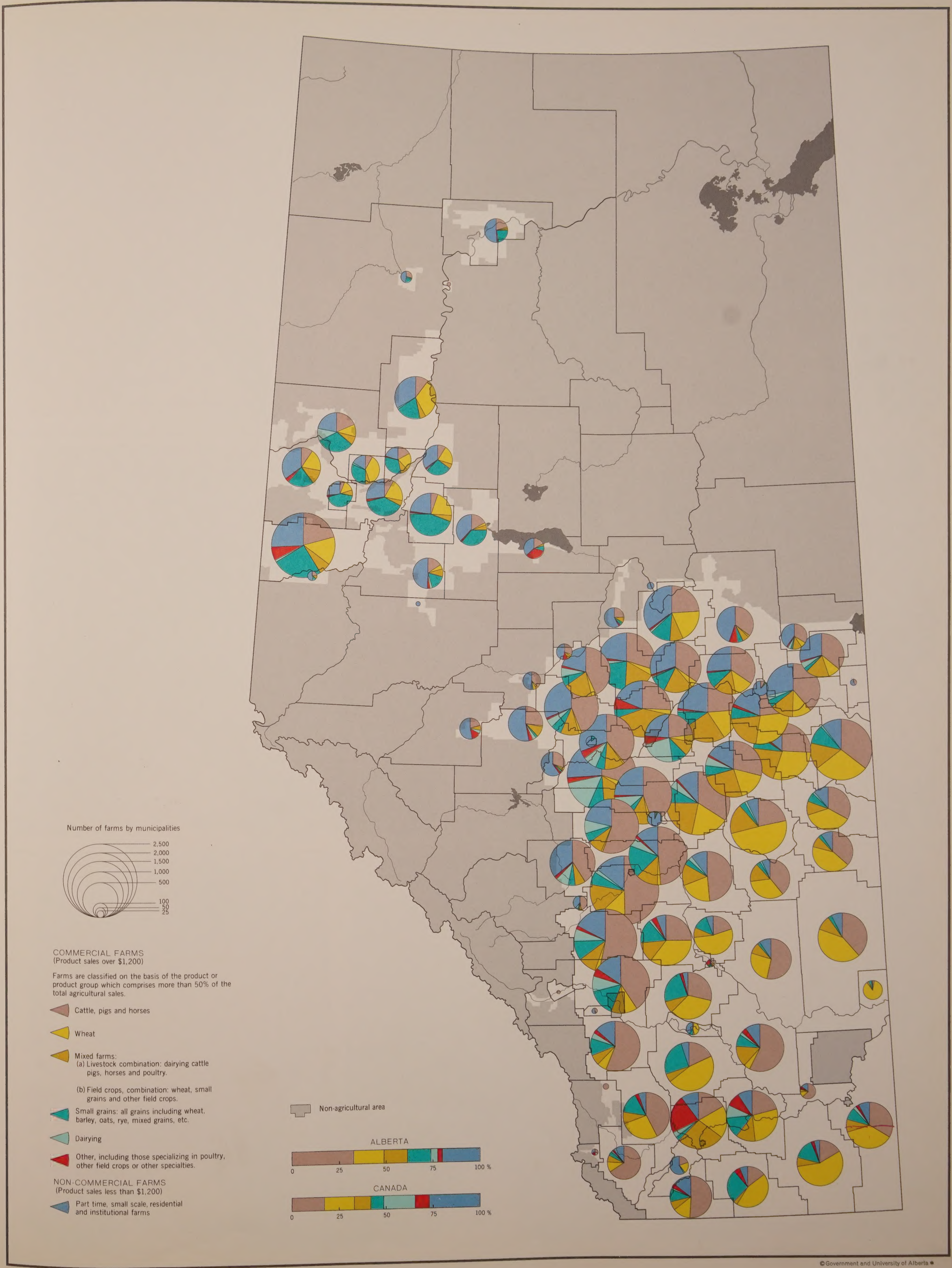
- ■ Military use
- ■ Urban use
- ☼ Recreation
- □ Wildlife preservation parks
- ⊕ Hunting,Trapping and Fishing
- ☆ Watershed management and water storage

Forestry and Mining Developments are shown on other pages

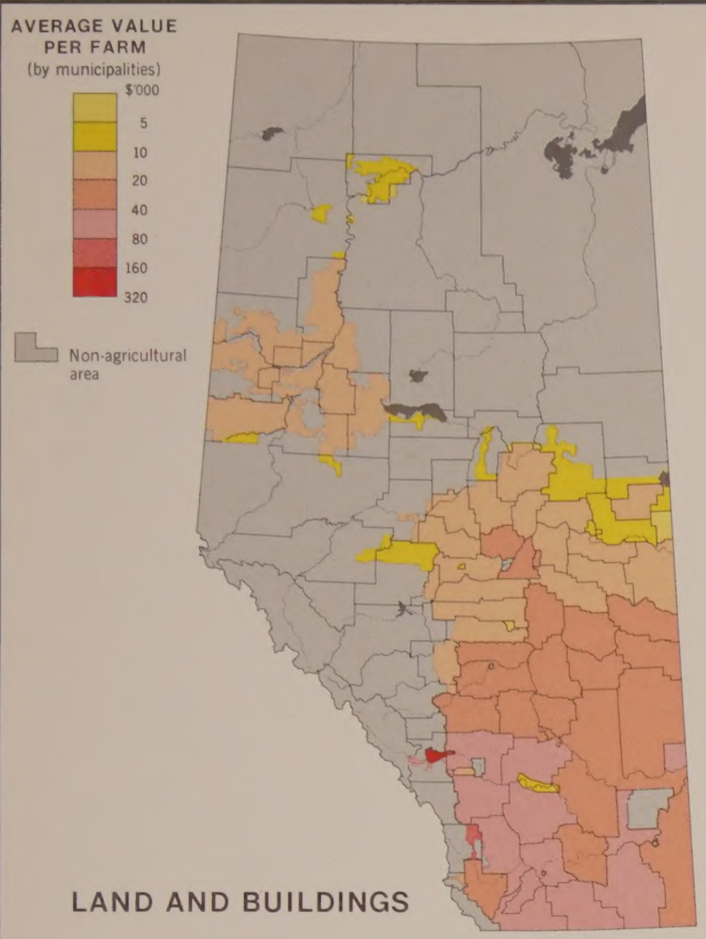
SIZE OF FARM


Number of farms by municipality
2,500
2,000
1,500
1,000
500
100
50
25
Categories of farm size expressed in acres
0-69
70-239
240-399
400-559
560-759
760-1,119
1,120-1,599
Over 1,600
combination of above categories in which farms comprise less than 2.5% of the total number in each municipality
Non-agricultural area
ALBERTA
%0
25
50
75
100
CANADA
%0
25
50
75
100
Acres
0
400
560
760
1,120
1,600
Hundreds of acres
7
6
5
4
3
2
1
1901
'11
'21
'31
'41
'51
'61

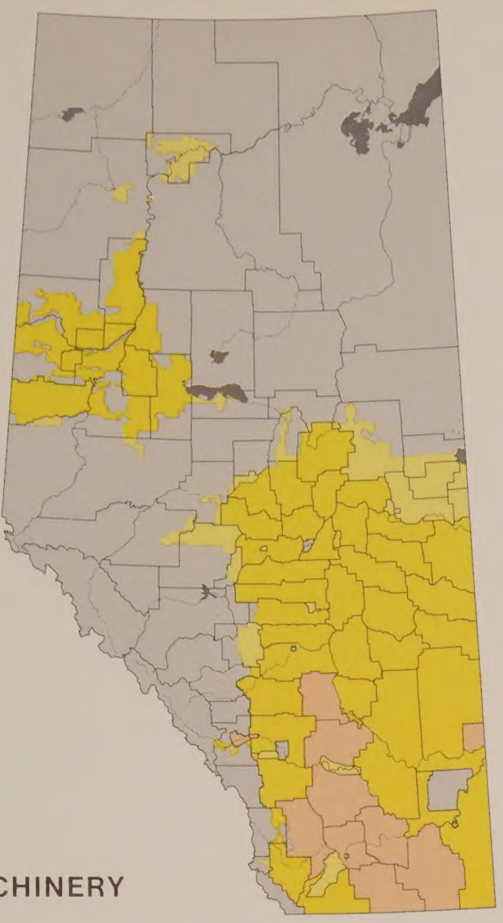
AVERAGE SIZE


Number of farms by municipalities
2,500
2,000
1,500
1,000
500
100
50
25
COMMERCIAL FARMS
(Product sales over $1,200)
Farms are classified on the basis of the product or product group which comprises more than 50% of the total agricultural sales.
Cattle, pigs and horses
Wheat
Mixed farms:
(a) Livestock combination: dairying cattle pigs, horses and poultry.
(b) Field crops, combination: wheat, small grains and other field crops.
Small grains: all grains including wheat, barley, oats, rye, mixed grains, etc.
Dairying
Other, including those specializing in poultry, other field crops or other specialties.
NON-COMMERCIAL FARMS
(Product sales less than $1,200)
Part time, small scale, residential and institutional farms
Non-agricultural area
ALBERTA
0
25
50
75
100 %
CANADA
0
25
50
75
100 %

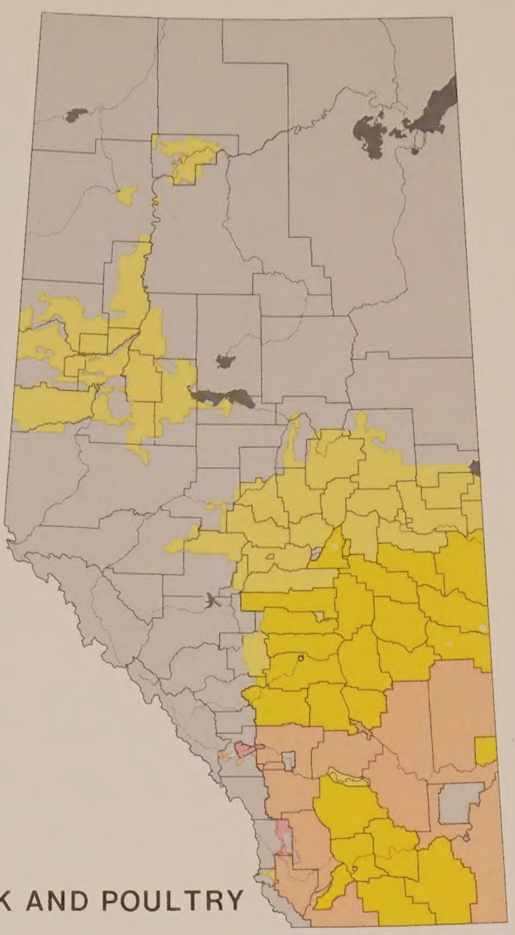
FARM VALUE


AVERAGE VALUE PER FARM
(by municipalities)
$'000
5
10
20
40
80
160
320
Non-agricultural area

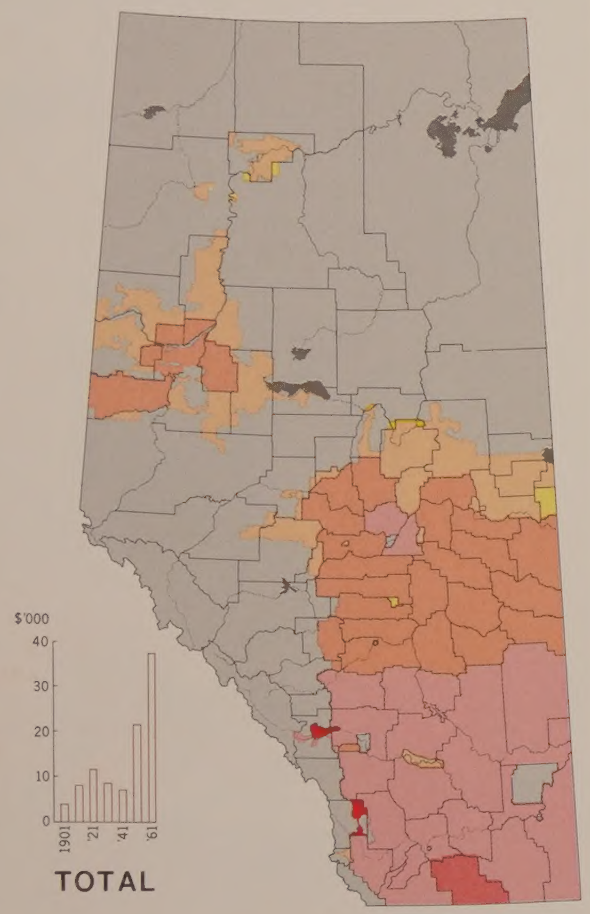
LAND AND BUILDINGS



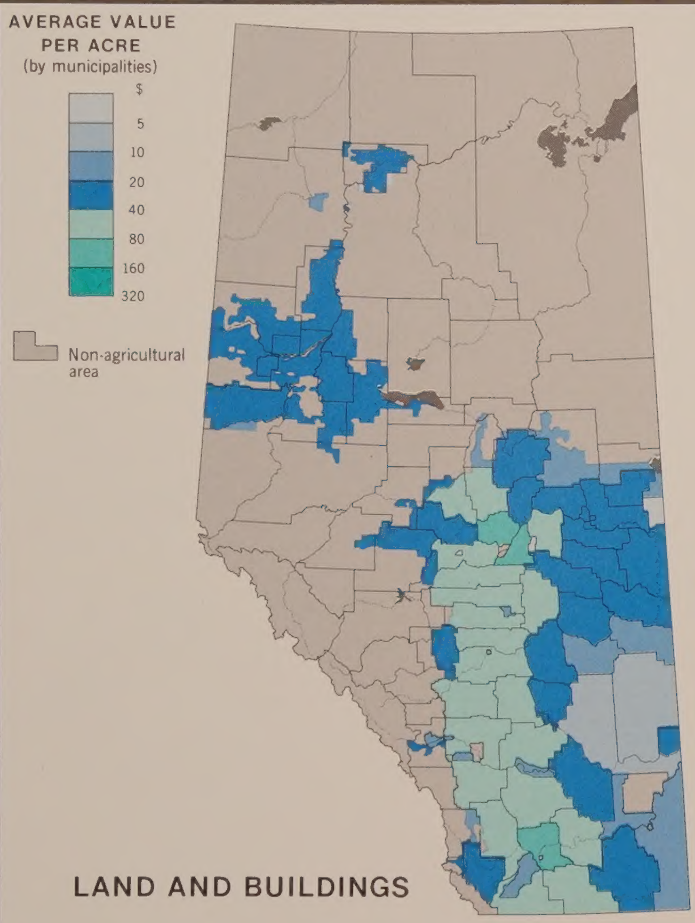
MACHINERY



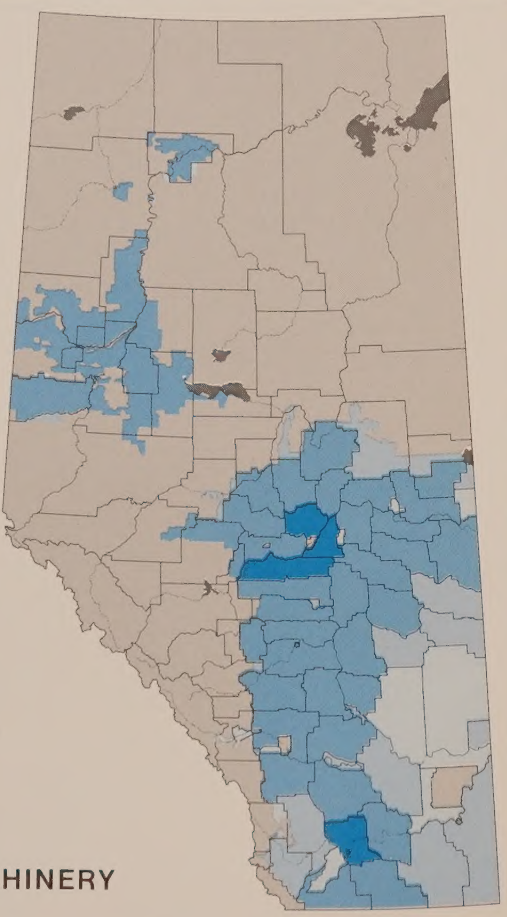
LIVESTOCK AND POULTRY


$'000
40
30
20
10
0
1901
'21
'41
'61

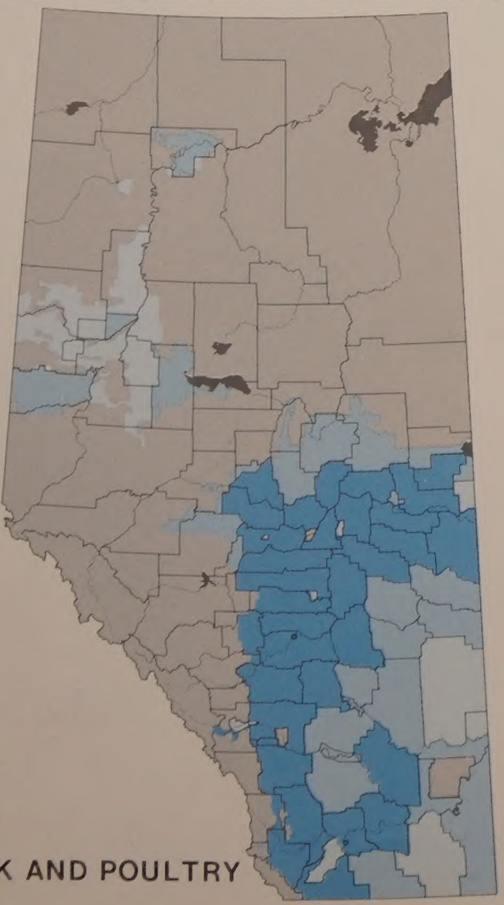
TOTAL


AVERAGE VALUE PER ACRE
(by municipalities)
$
5
10
20
40
80
160
320
Non-agricultural area

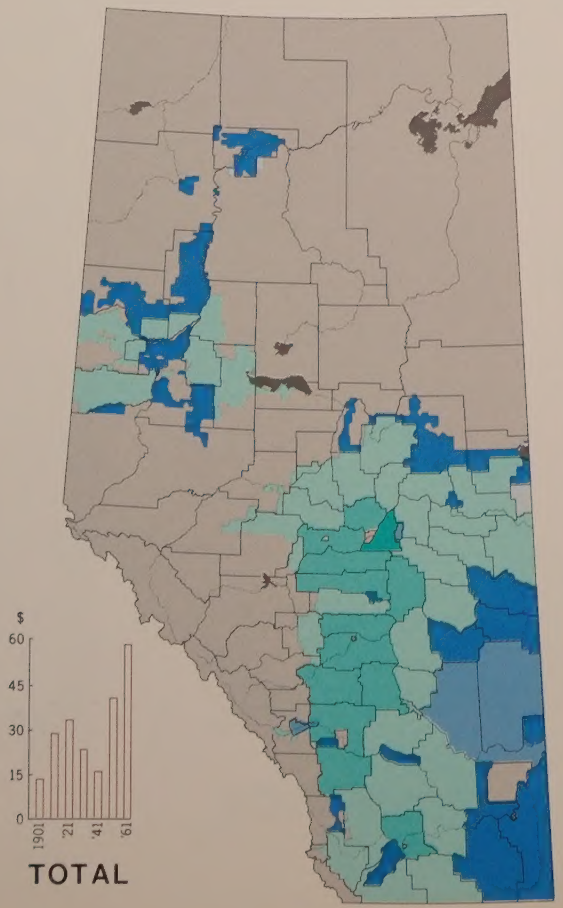
LAND AND BUILDINGS



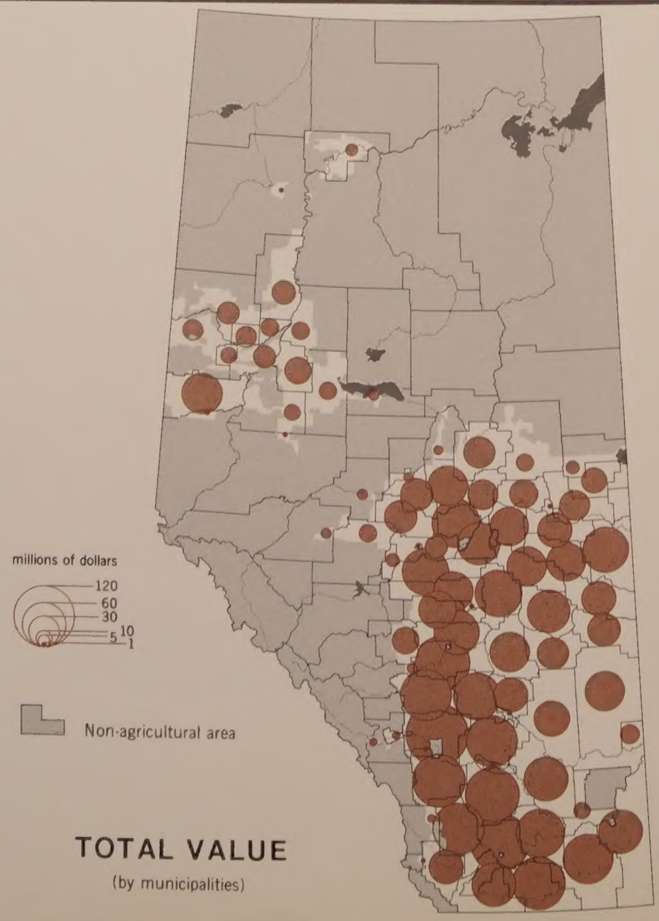
MACHINERY



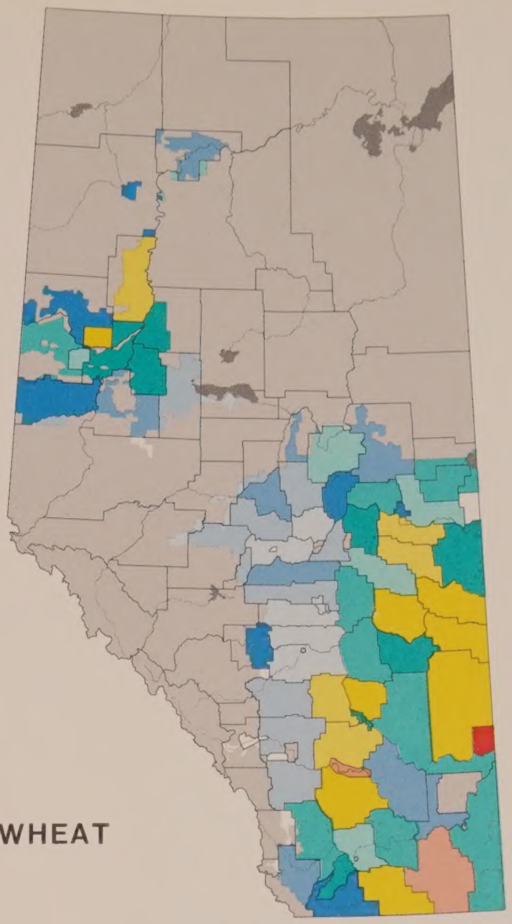
LIVESTOCK AND POULTRY


$
60
45
30
15
0
1901
'21
'41
'61

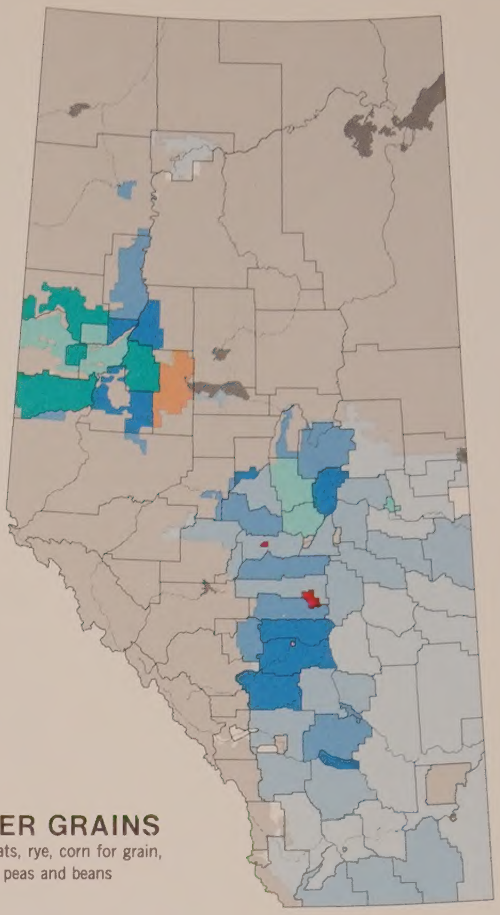
TOTAL


millions of dollars
120
60
30
10
5
1
Non-agricultural area

TOTAL VALUE
(by municipalities)

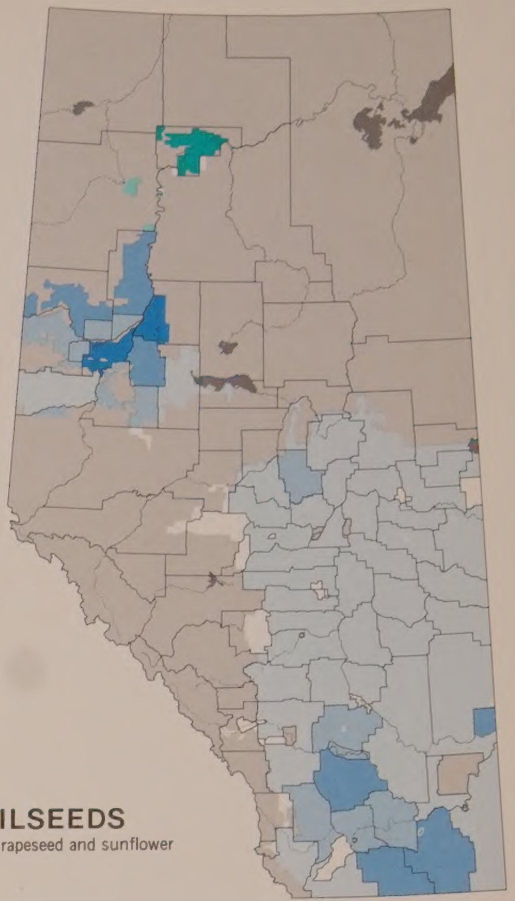


WHEAT



OTHER GRAINS

Barley, oats, rye, corn for grain, field peas and beans



OILSEEDS

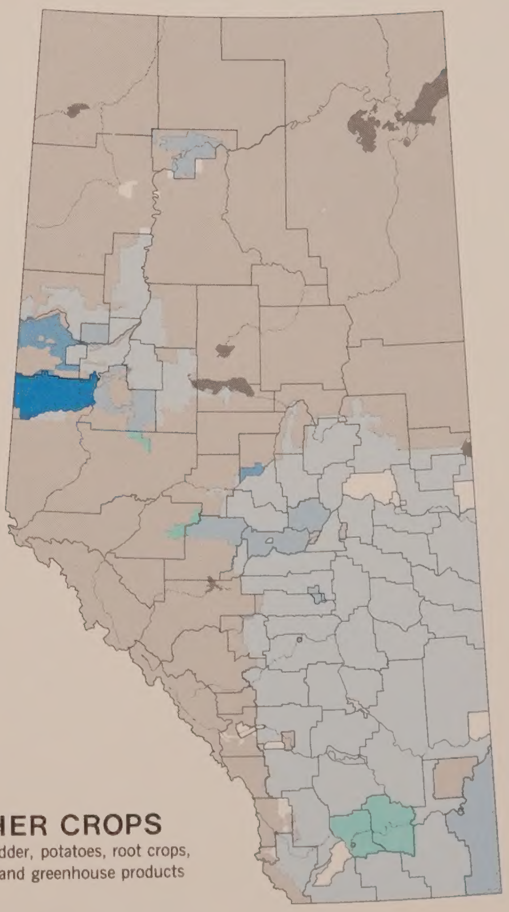
Flaxseed, rapeseed and sunflower

▨ Non-agricultural area

Percentage of income derived from each product by municipalities

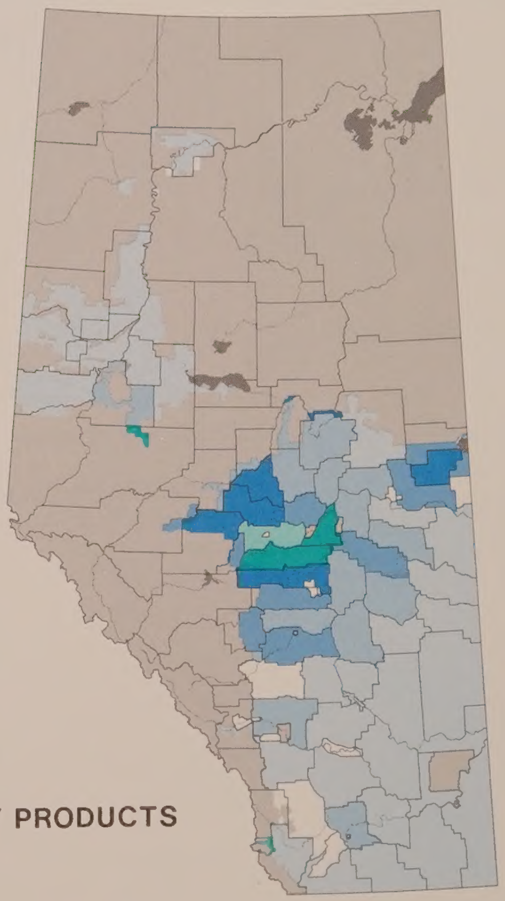
0
5
10
15
20
25
30
35
40
45
50
55
60

☐ No data available

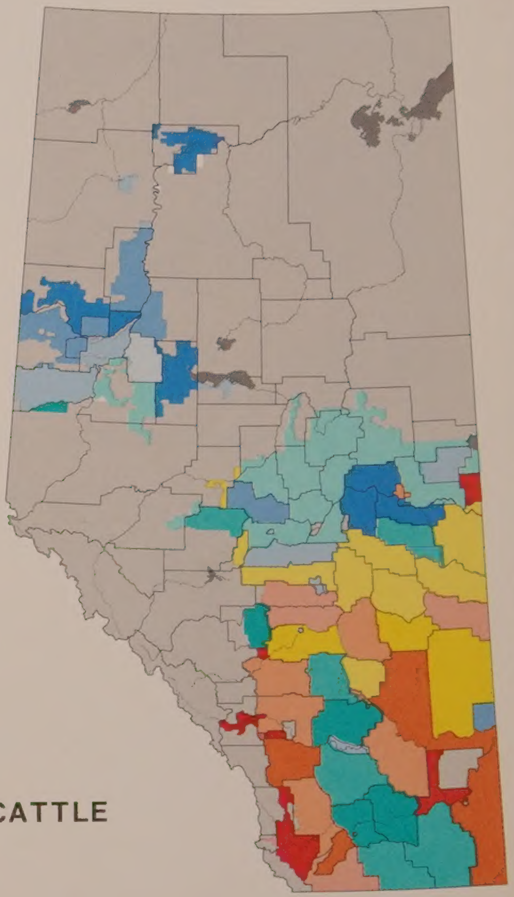


OTHER CROPS

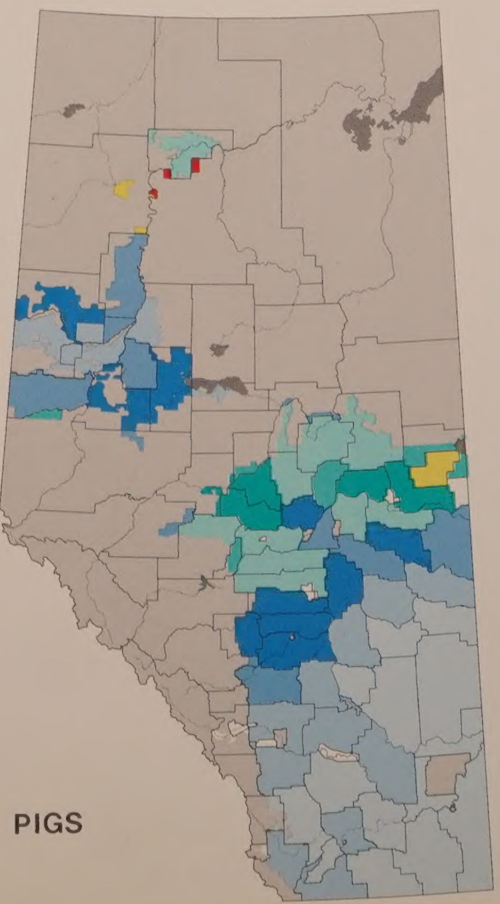
Hay and fodder, potatoes, root crops, vegetables and greenhouse products



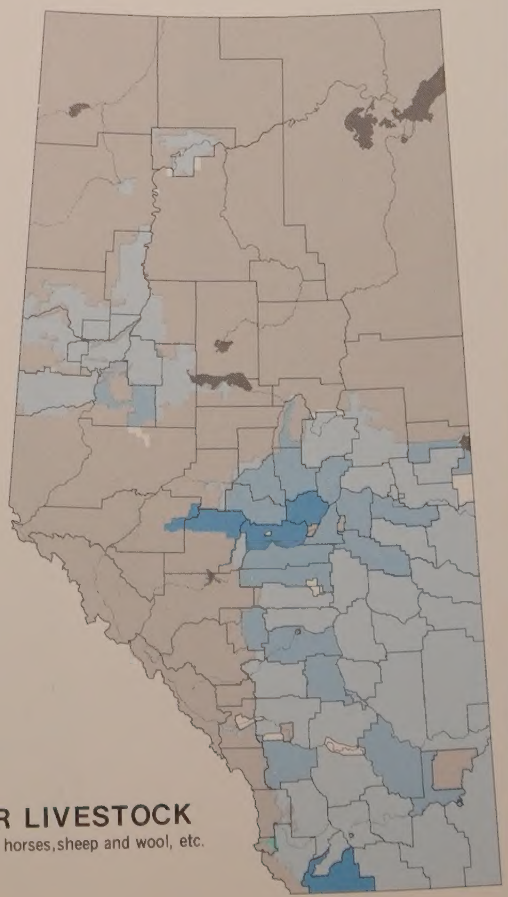
DAIRY PRODUCTS



CATTLE

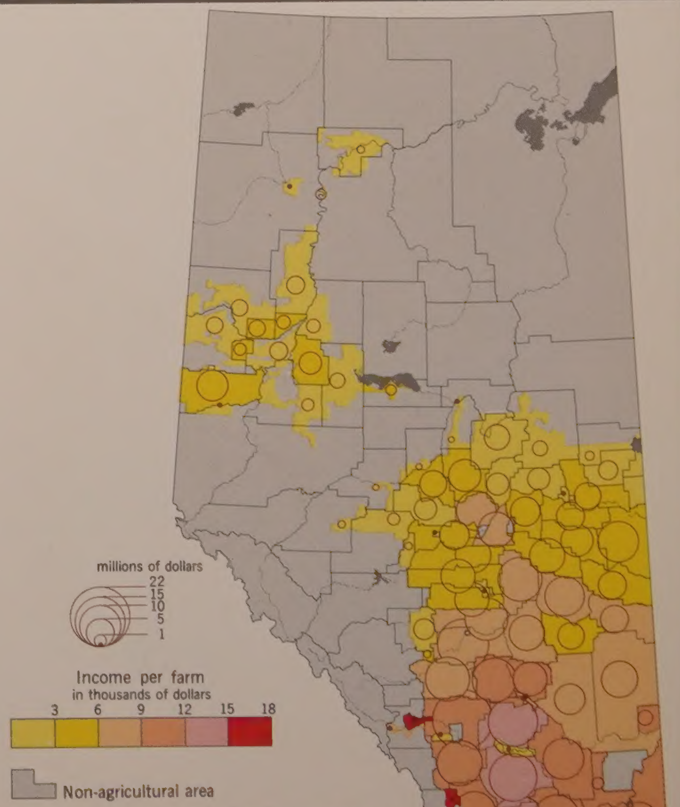


PIGS



OTHER LIVESTOCK

Poultry, eggs, horses, sheep and wool, etc.


millions of dollars
22
15
10
5
1
Income per farm
in thousands of dollars
3
6
9
12
15
18
Non-agricultural area

TOTAL REVENUE FROM AGRICULTURAL PRODUCTS

(by municipalities)

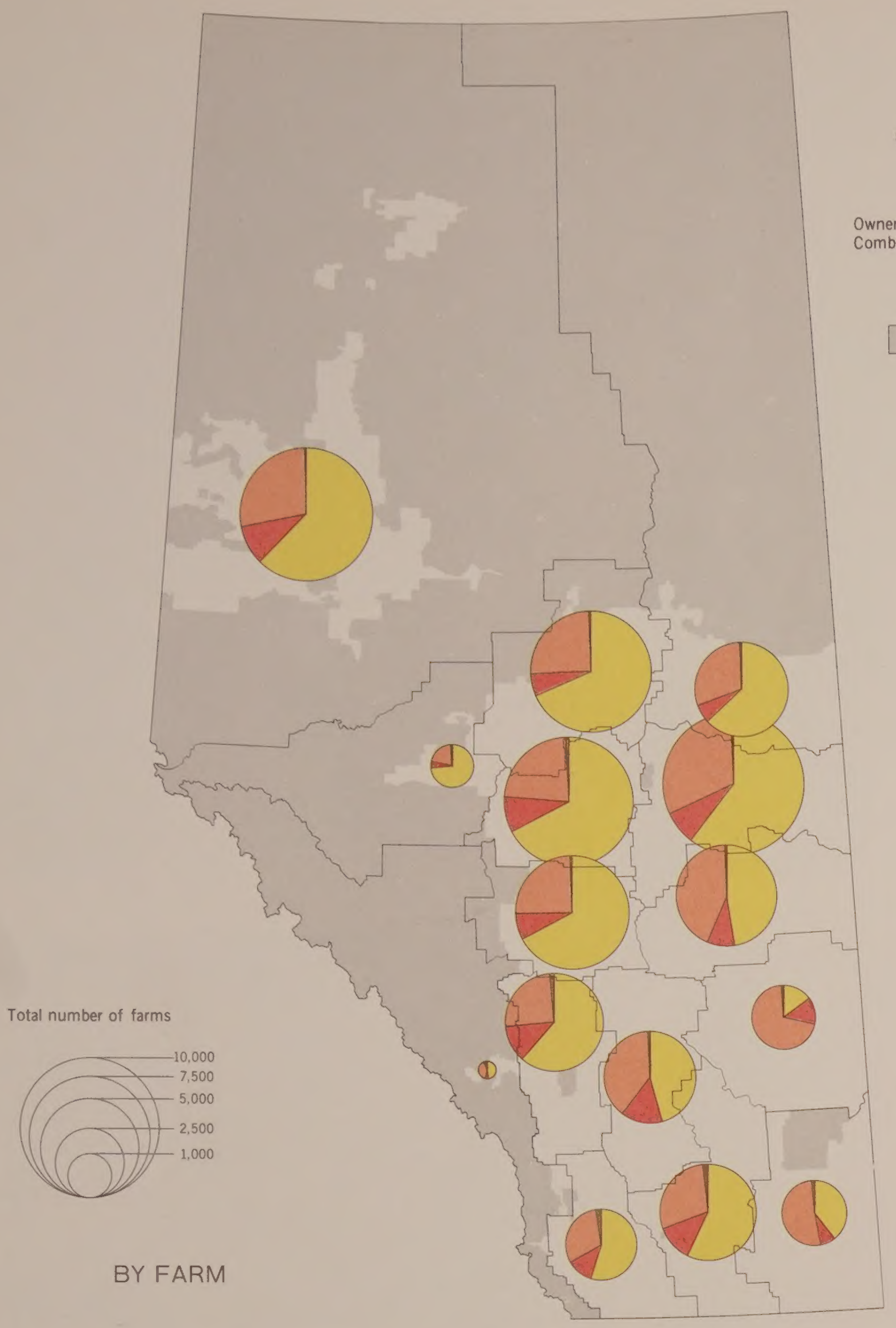
FARM TENURE AND NON-FARM WORK

FARM TENURE

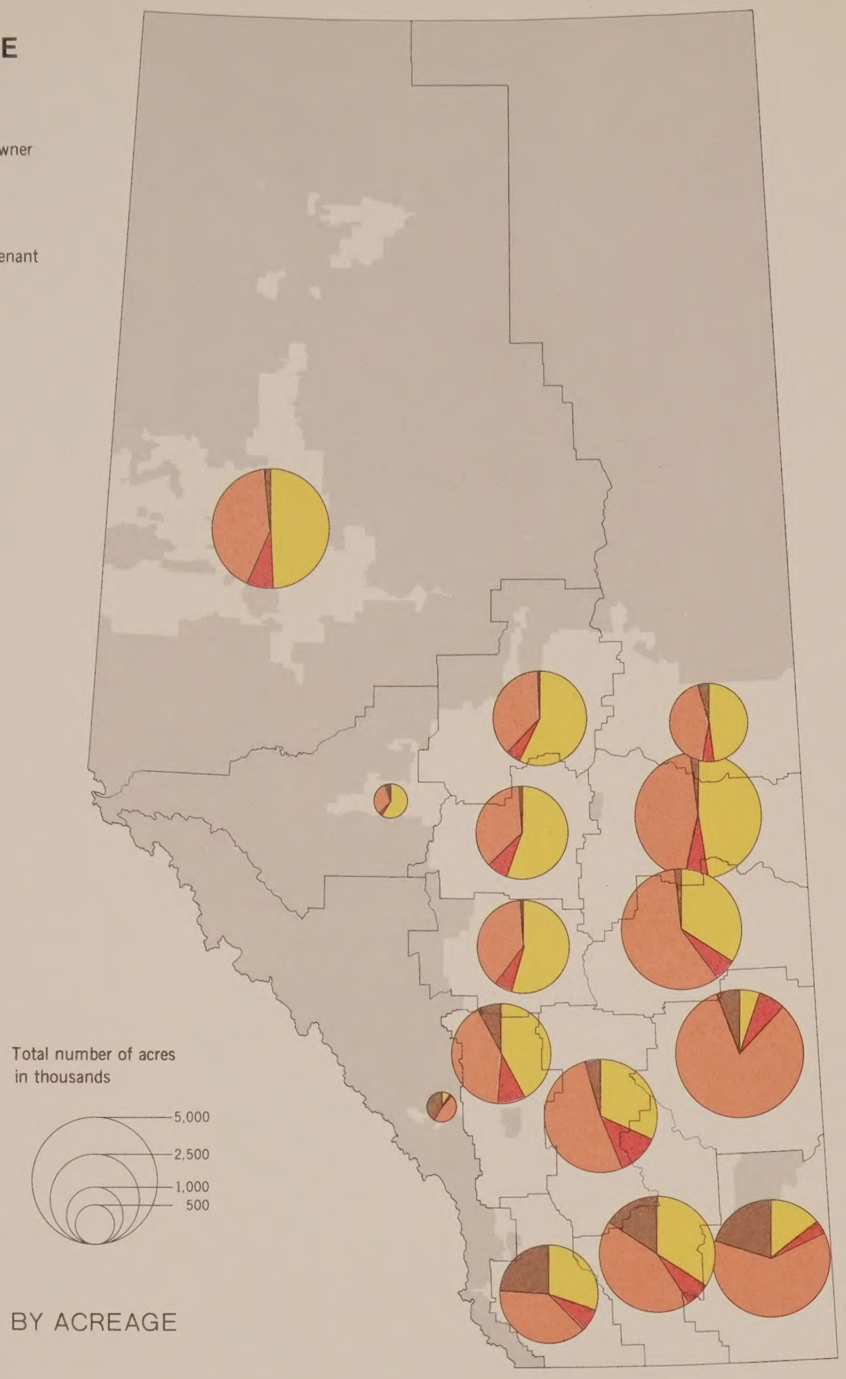
(by Census Division)

Manager
Owner
Owner-Tenant Combination
Tenant

Non-agricultural area


Total number of farms
10,000
7,500
5,000
2,500
1,000

BY FARM


Total number of acres in thousands
5,000
2,500
1,000
500

BY ACREAGE

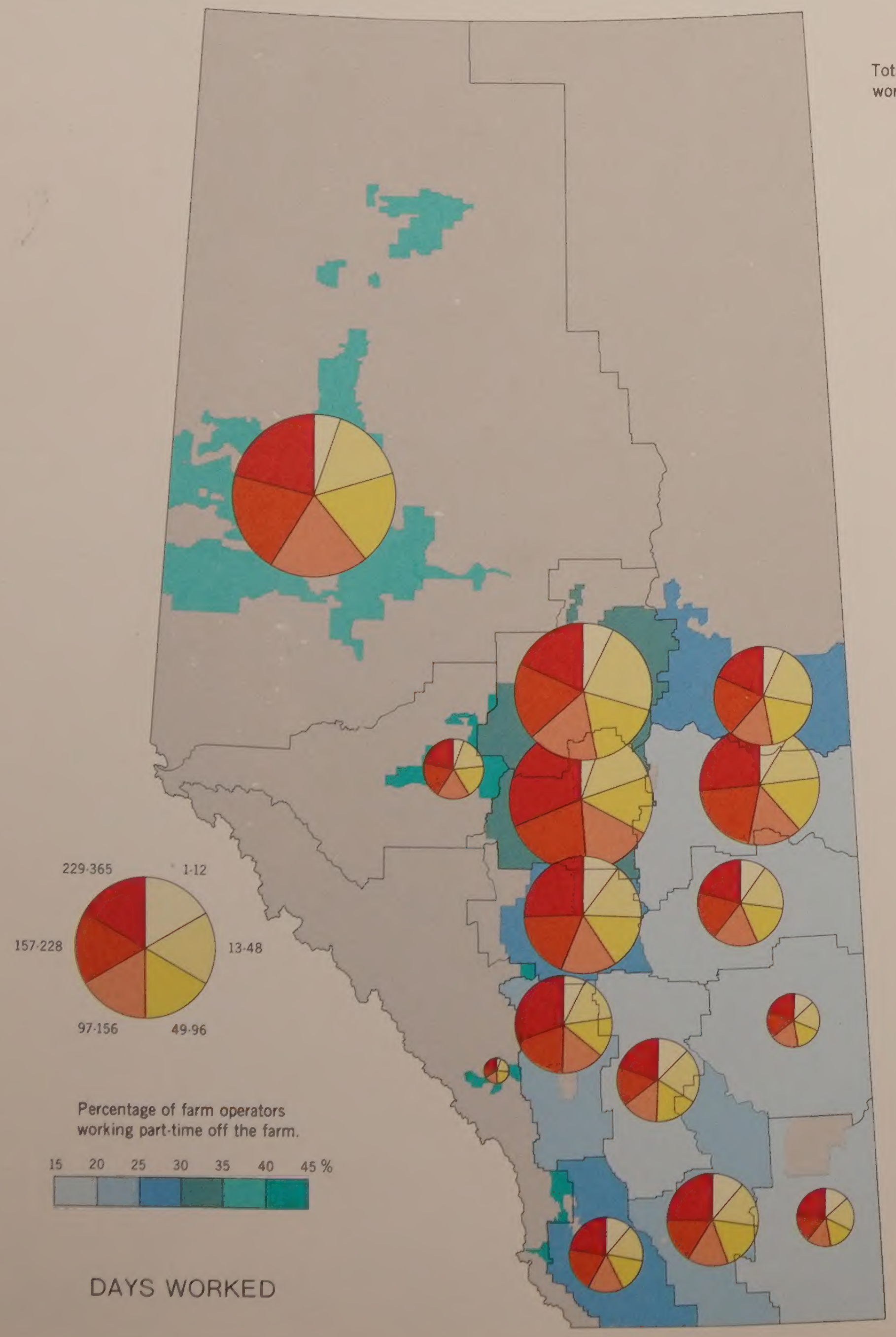
NON-FARM WORK

(by Census Division)

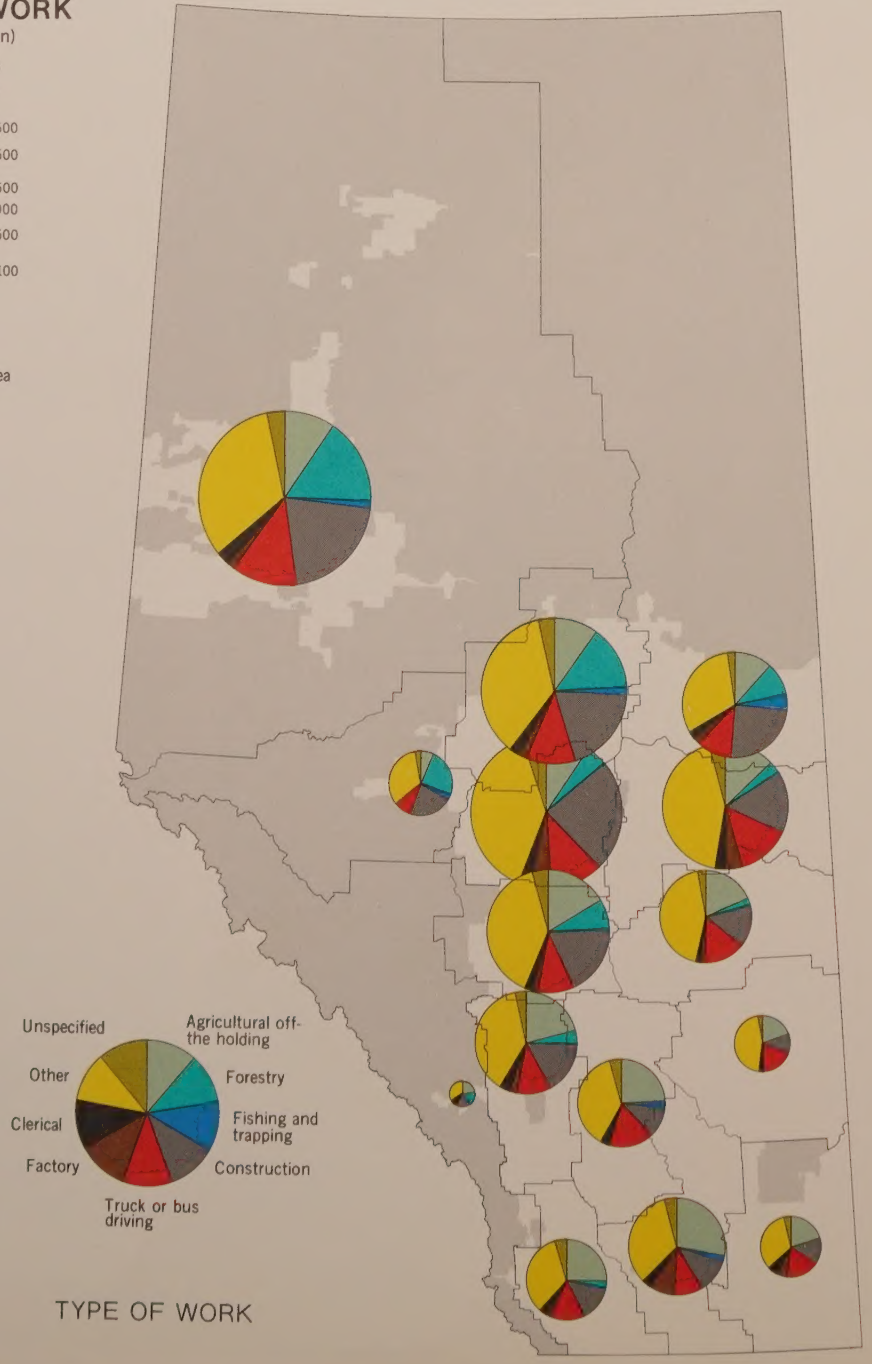
Total number of farm operators working part-time off the farm.

3,500
2,500
1,500
1,000
500
100

Non-agricultural area

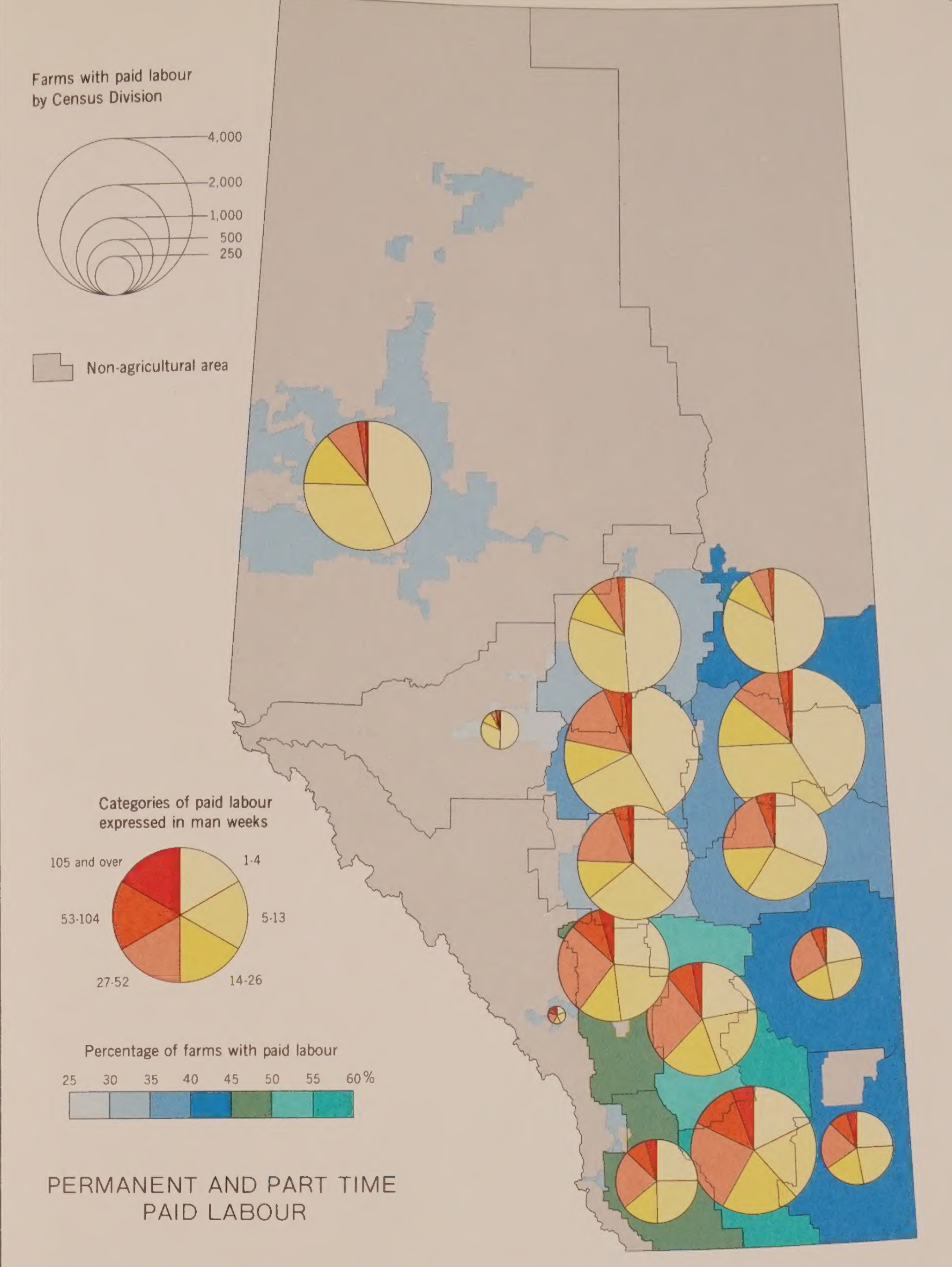

229-365
1-12
157-228
13-48
97-156
49-96
Percentage of farm operators working part-time off the farm.
15
20
25
30
35
40
45 %

DAYS WORKED

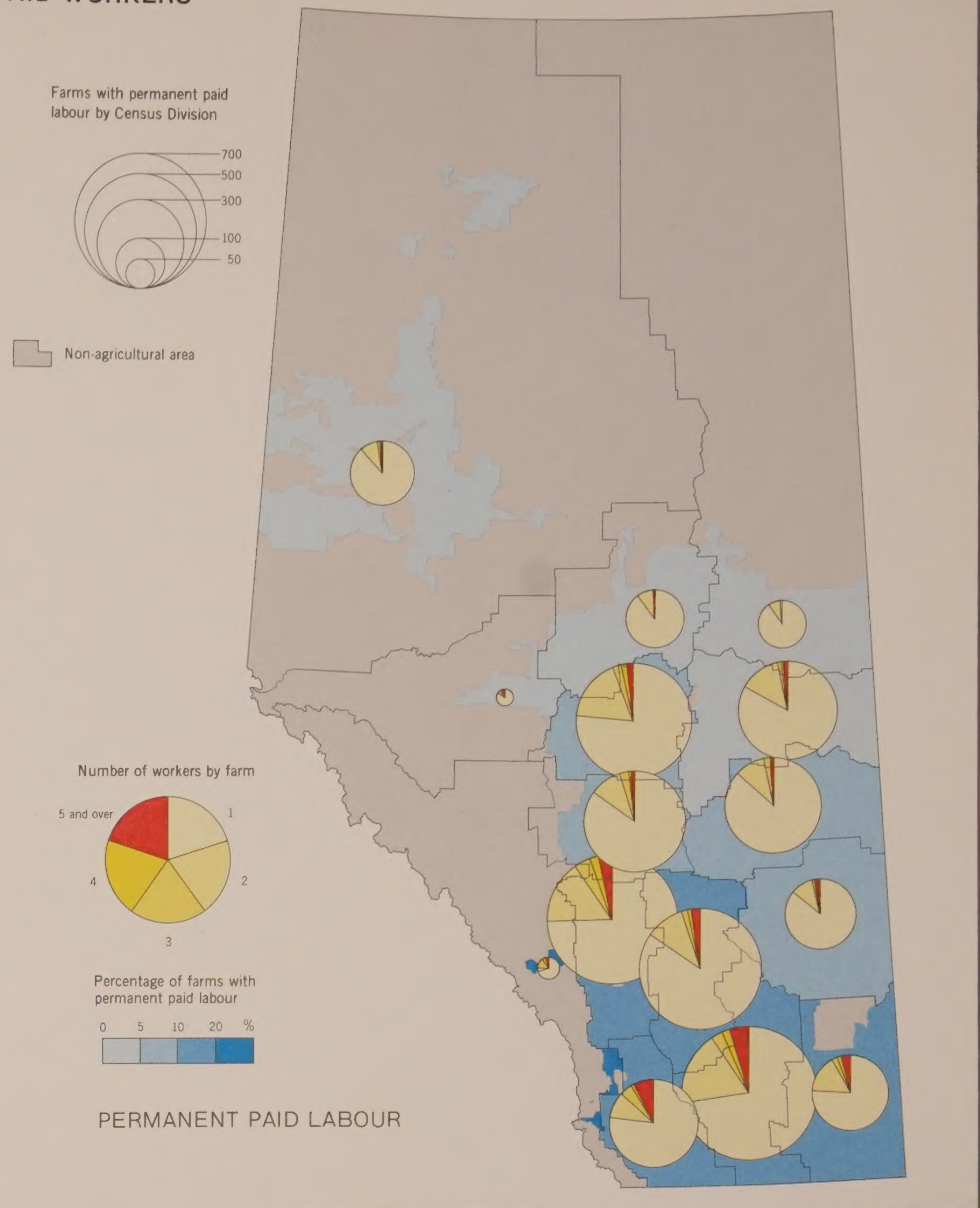

Unspecified
Agricultural off-the holding
Other
Forestry
Clerical
Fishing and trapping
Factory
Construction
Truck or bus driving

TYPE OF WORK

PAID WORKERS

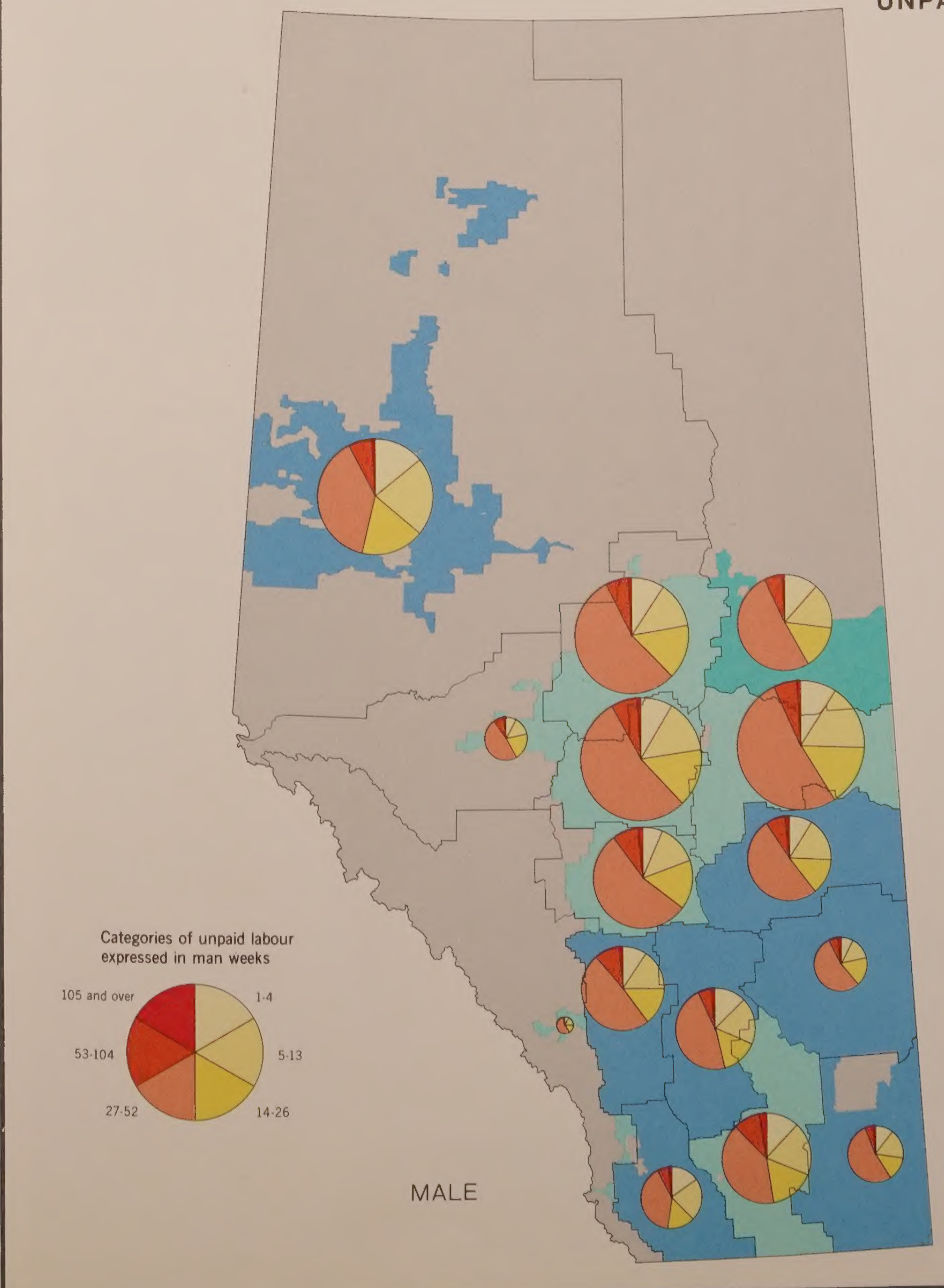

Farms with paid labour by Census Division
4,000
2,000
1,000
500
250
Non-agricultural area
Categories of paid labour expressed in man weeks
105 and over
1-4
53-104
5-13
27-52
14-26
Percentage of farms with paid labour
25 30 35 40 45 50 55 60 %

PERMANENT AND PART TIME PAID LABOUR

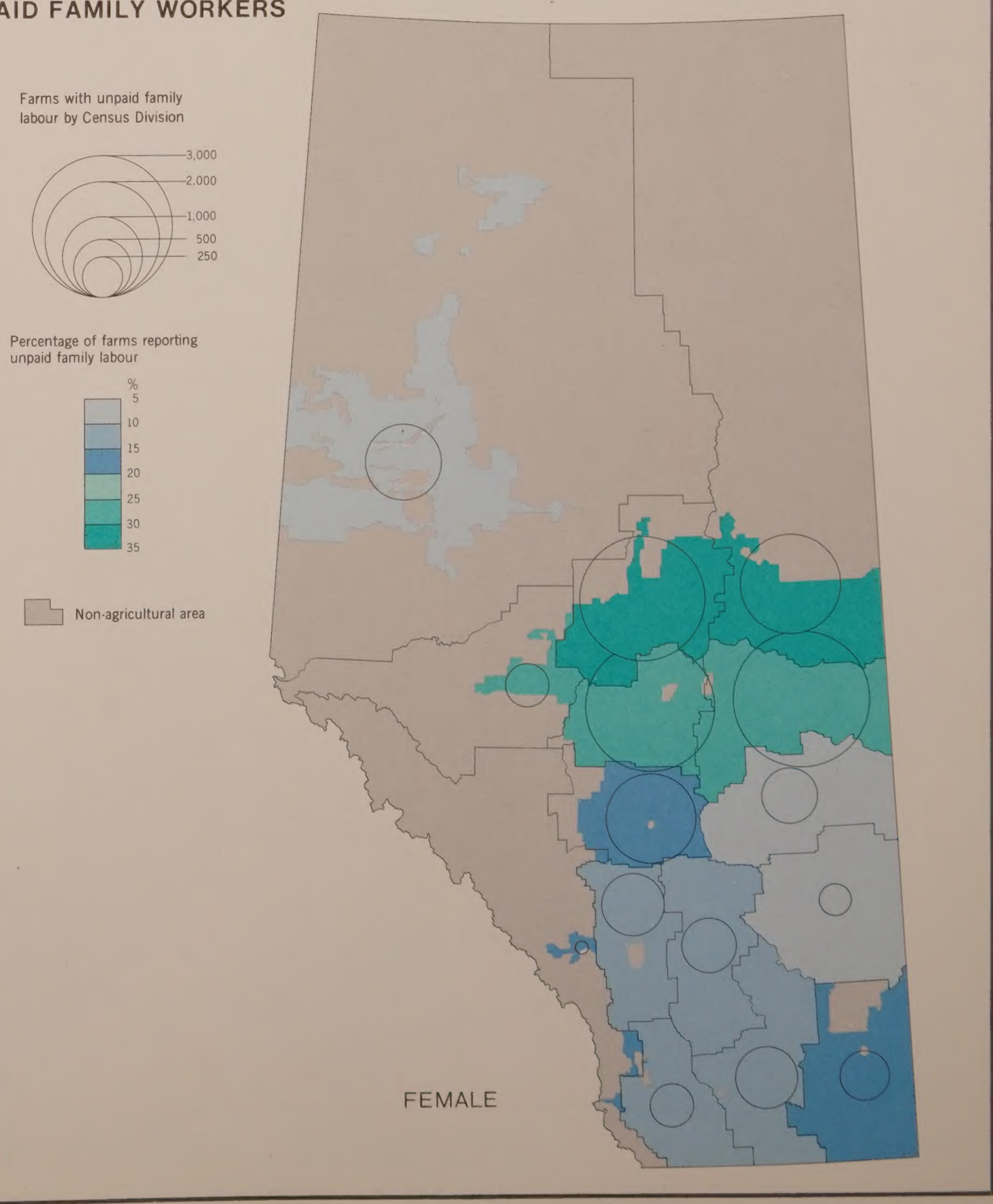

Farms with permanent paid labour by Census Division
700
500
300
100
50
Non-agricultural area
Number of workers by farm
5 and over
1
4
2
3
Percentage of farms with permanent paid labour
0 5 10 20 %

PERMANENT PAID LABOUR

UNPAID FAMILY WORKERS


Categories of unpaid labour expressed in man weeks
105 and over
1-4
53-104
5-13
27-52
14-26

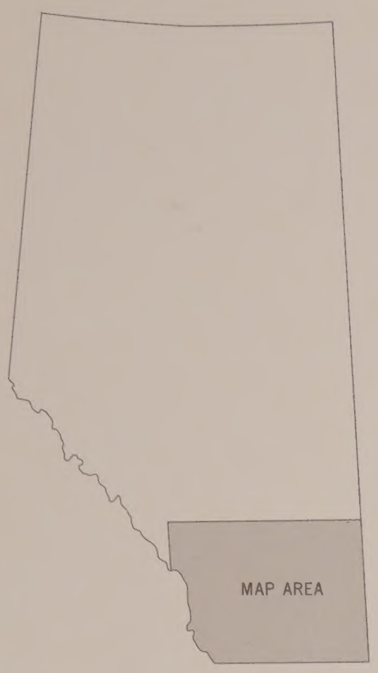
MALE


Farms with unpaid family labour by Census Division
3,000
2,000
1,000
500
250
Percentage of farms reporting unpaid family labour
%
5
10
15
20
25
30
35
Non-agricultural area

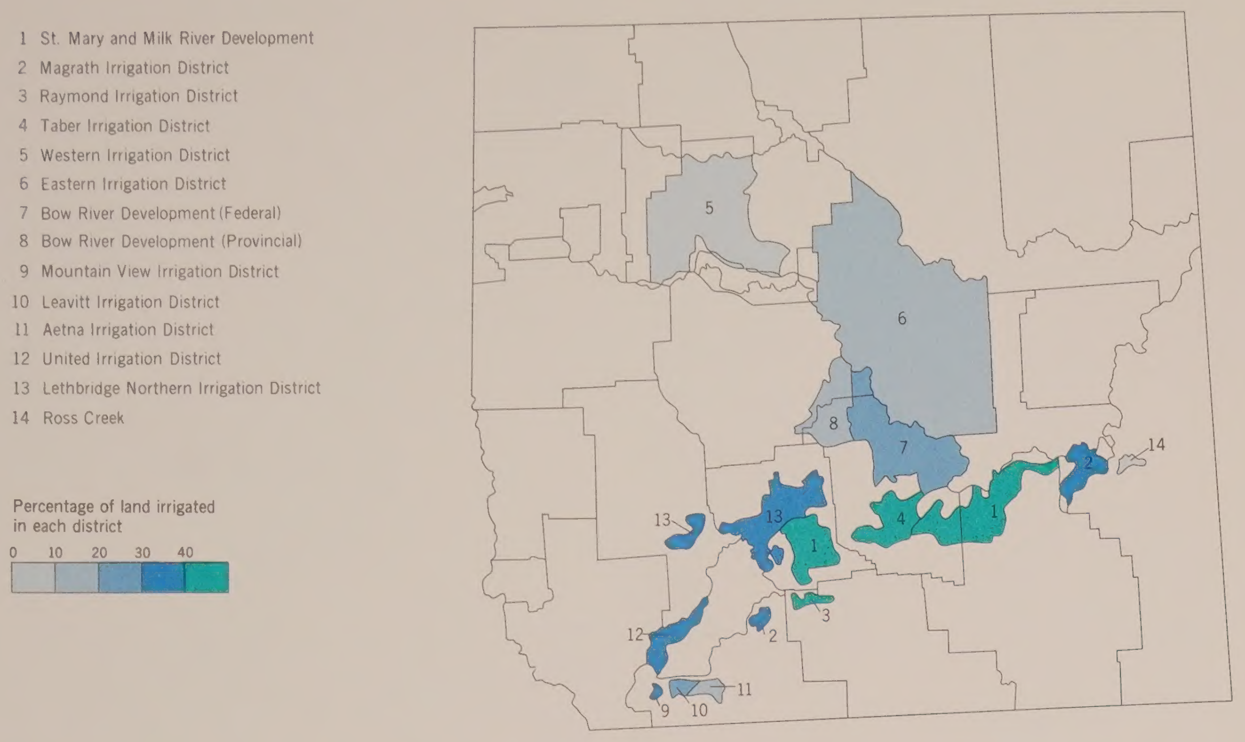
FEMALE

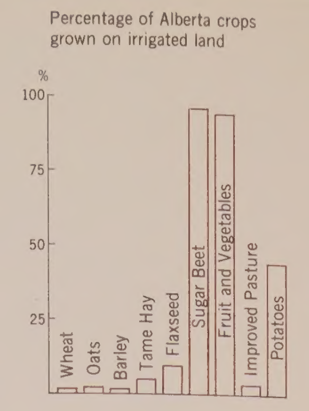
IRRIGATION, FERTILIZER AND NEW BREAKING

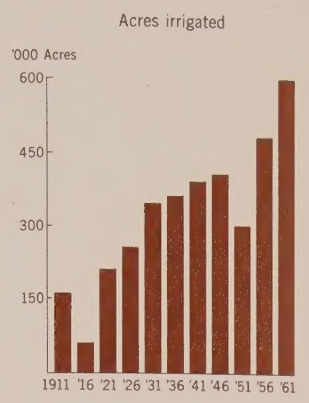
IRRIGATION BY ADMINISTRATIVE DISTRICTS



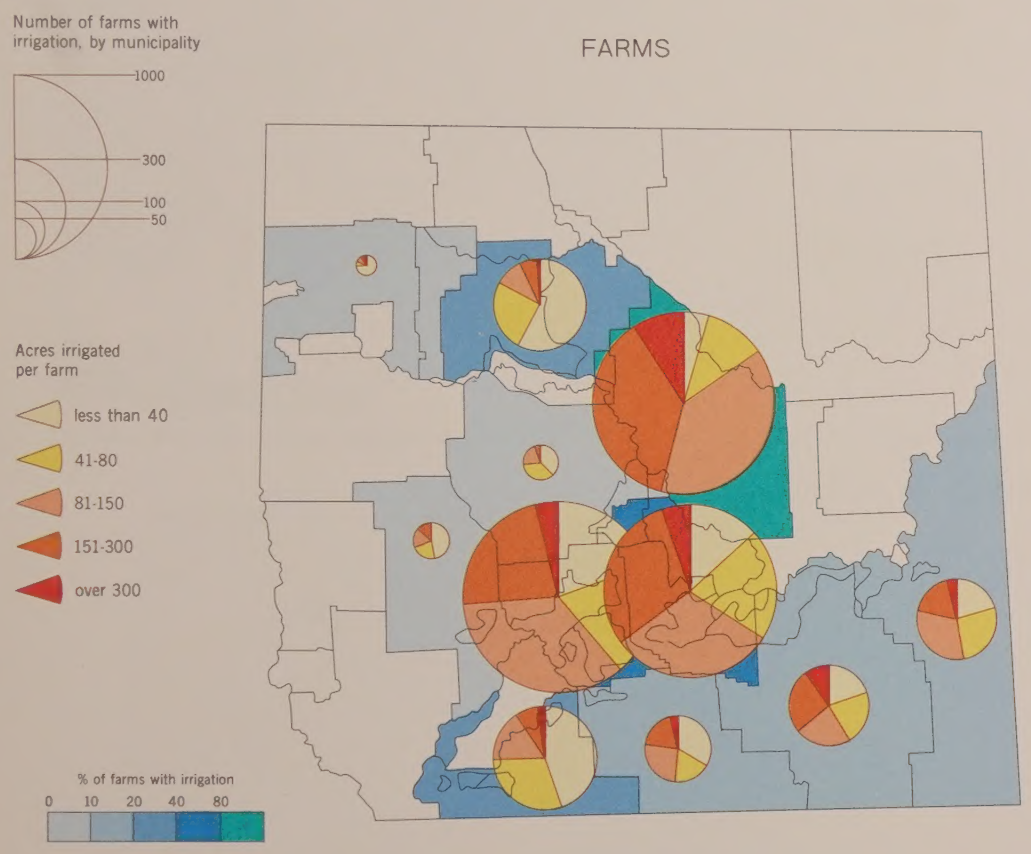
1 St. Mary and Milk River Development
2 Magrath Irrigation District
3 Raymond Irrigation District
4 Taber Irrigation District
5 Western Irrigation District
6 Eastern Irrigation District
7 Bow River Development (Federal)
8 Bow River Development (Provincial)
9 Mountain View Irrigation District
10 Leavitt Irrigation District
11 Aetna Irrigation District
12 United Irrigation District
13 Lethbridge Northern Irrigation District
14 Ross Creek


Percentage of land irrigated in each district
0
10
20
30
40
1
2
3
4
5
6
7
8
9
10
11
12
13
14

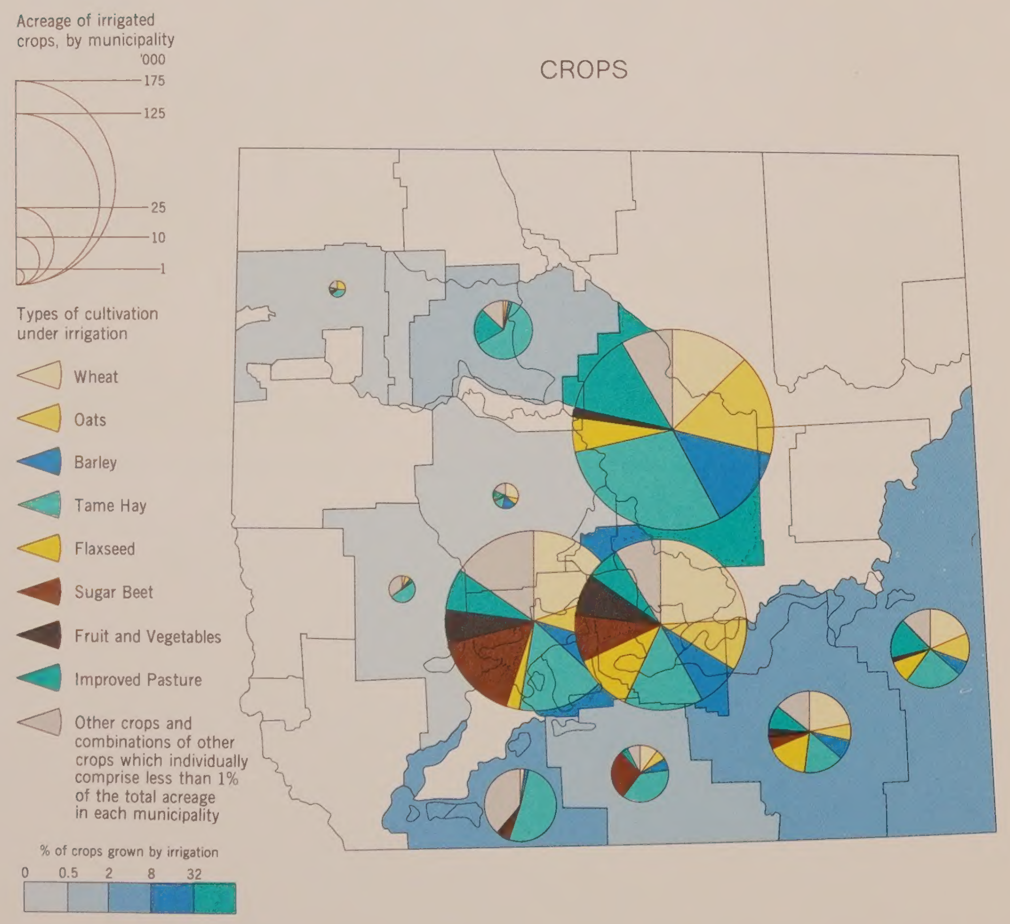

Percentage of Alberta crops grown on irrigated land


Acres irrigated

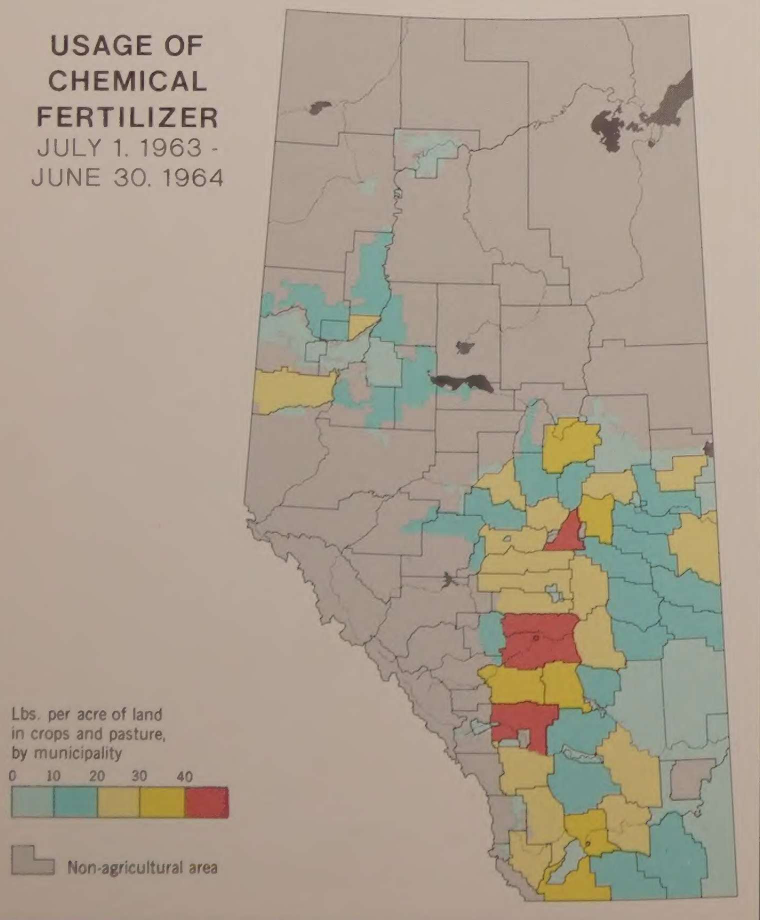
FARMS


Number of farms with irrigation, by municipality
1000
300
100
50
Acres irrigated per farm
less than 40
41-80
81-150
151-300
over 300
% of farms with irrigation
0
10
20
40
80

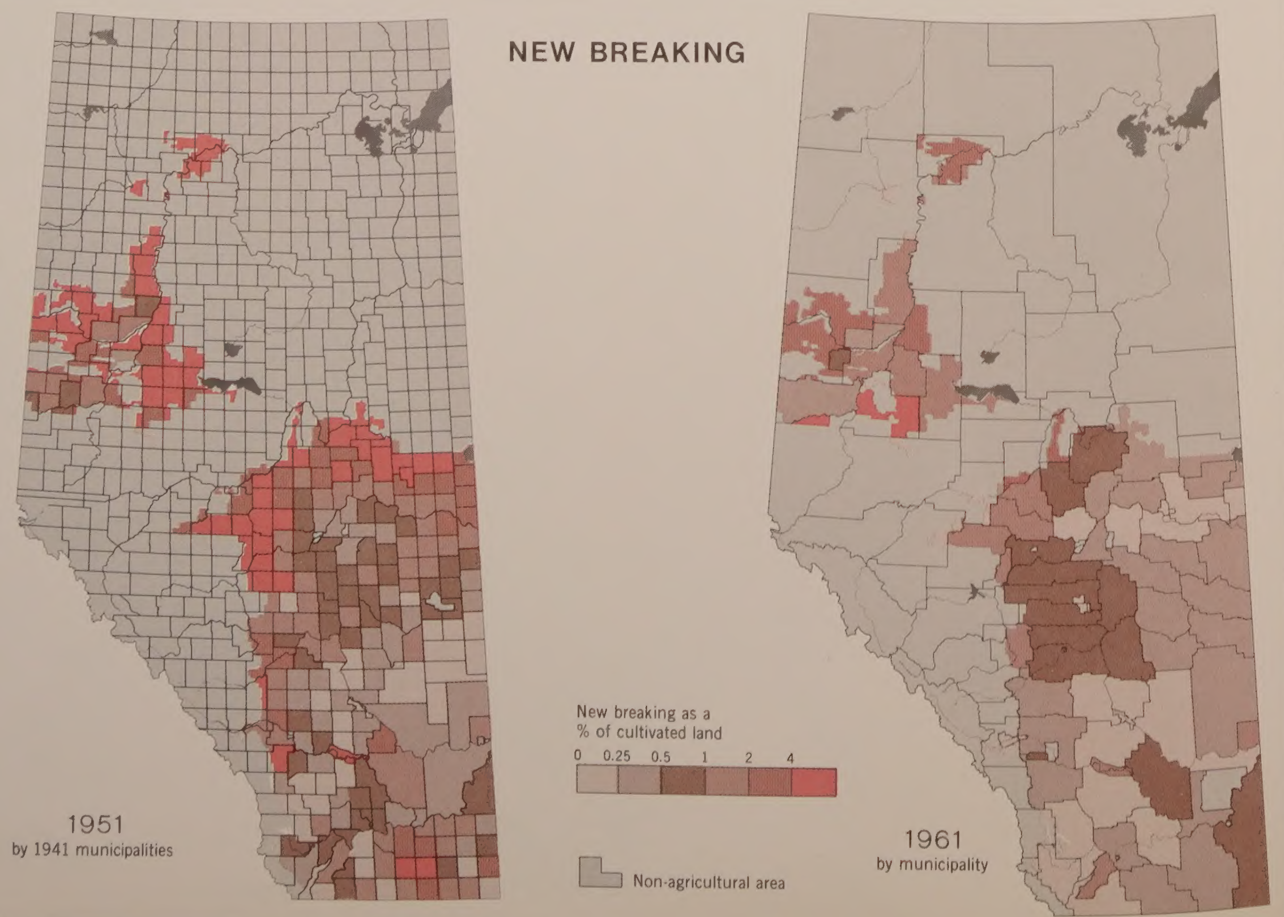
CROPS


Acreage of irrigated crops, by municipality
'000
175
125
25
10
1
Types of cultivation under irrigation
Wheat
Oats
Barley
Tame Hay
Flaxseed
Sugar Beet
Fruit and Vegetables
Improved Pasture
Other crops and combinations of other crops which individually comprise less than 1% of the total acreage in each municipality
% of crops grown by irrigation
0
0.5
2
8
32

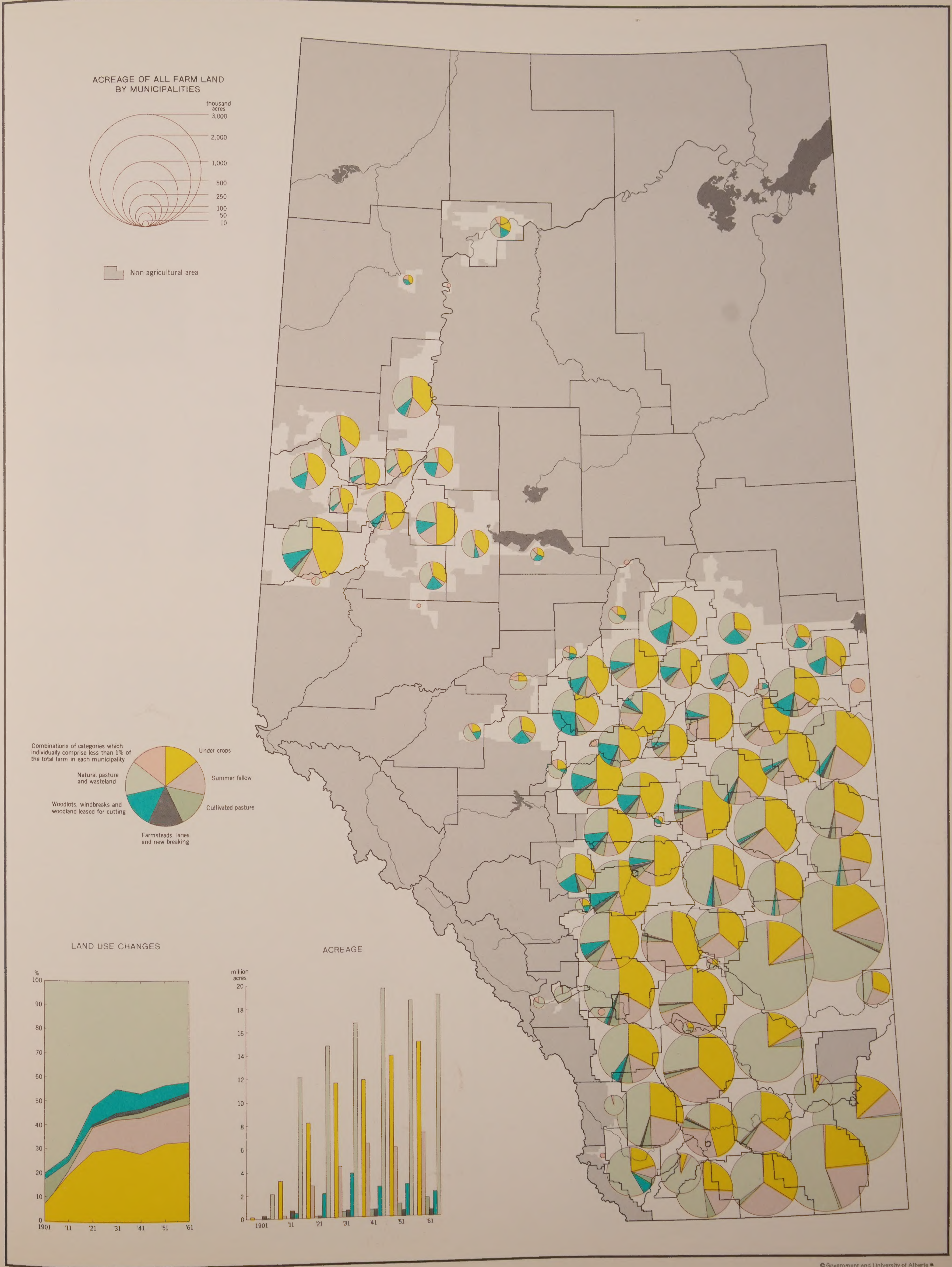
USAGE OF CHEMICAL FERTILIZER
JULY 1. 1963 - JUNE 30. 1964


Lbs. per acre of land in crops and pasture, by municipality
0
10
20
30
40
Non-agricultural area

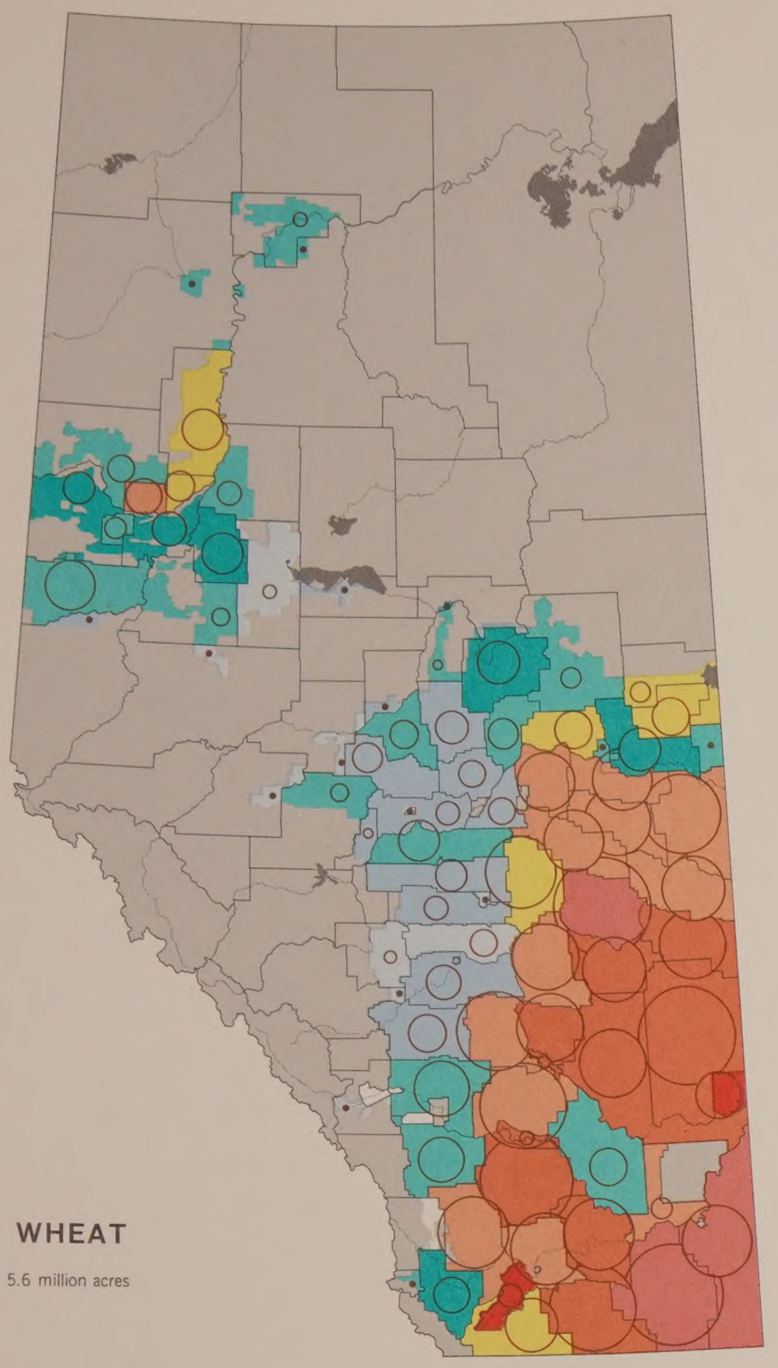
NEW BREAKING


1951
by 1941 municipalities
New breaking as a % of cultivated land
0
0.25
0.5
1
2
4
Non-agricultural area
1961
by municipality

FARM LAND USE


ACREAGE OF ALL FARM LAND
BY MUNICIPALITIES
thousand acres
3,000
2,000
1,000
500
250
100
50
10
Non-agricultural area
Combinations of categories which individually comprise less than 1% of the total farm in each municipality
Under crops
Summer fallow
Cultivated pasture
Farmsteads, lanes and new breaking
Woodlots, windbreaks and woodland leased for cutting
Natural pasture and wasteland
LAND USE CHANGES
%
100
90
80
70
60
50
40
30
20
10
0
1901
'11
'21
'31
'41
'51
'61
ACREAGE
million acres
20
18
16
14
12
10
8
6
4
2
0
1901
'11
'21
'31
'41
'51
'61

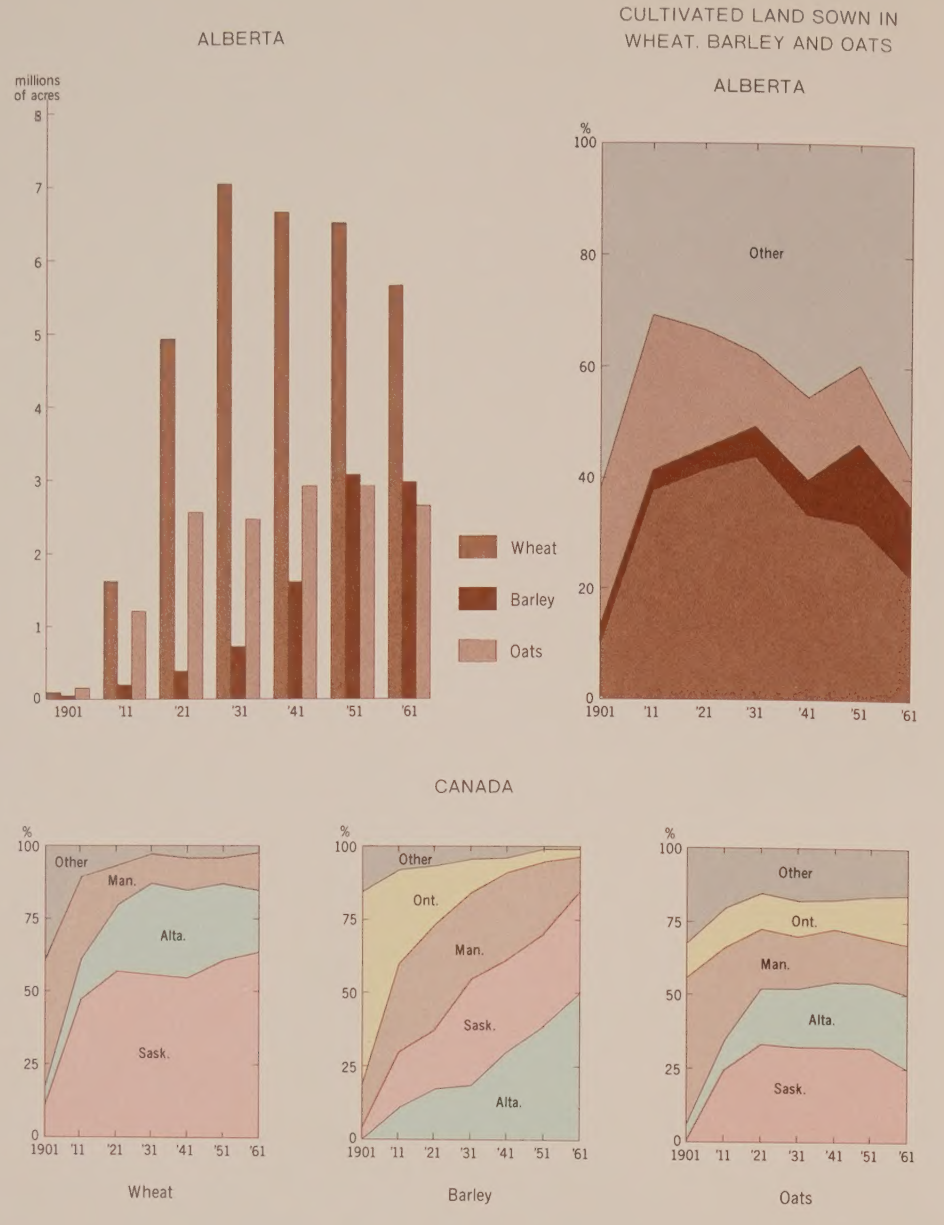
WHEAT, BARLEY AND OATS, 1961

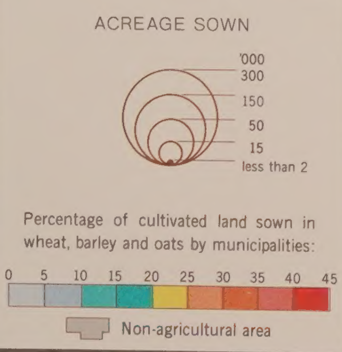


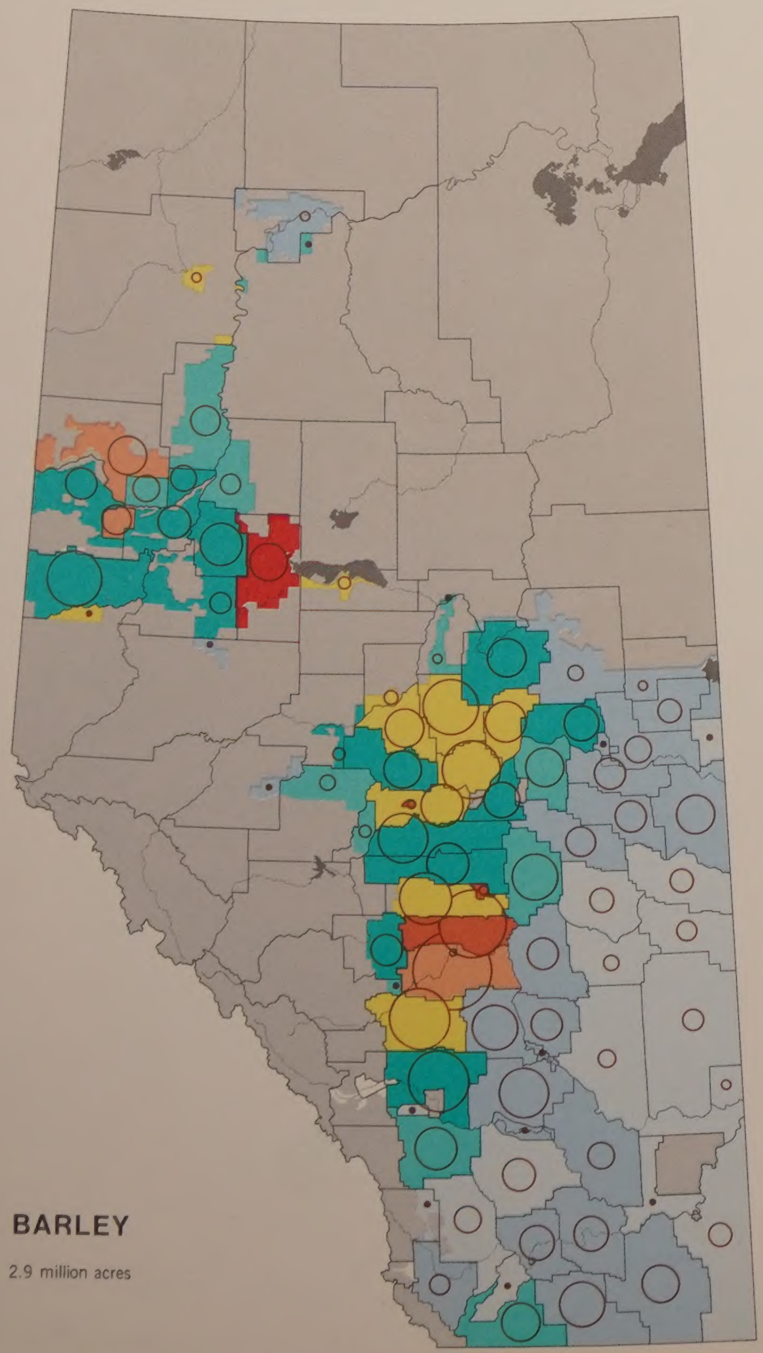
WHEAT

5.6 million acres

ACREAGE

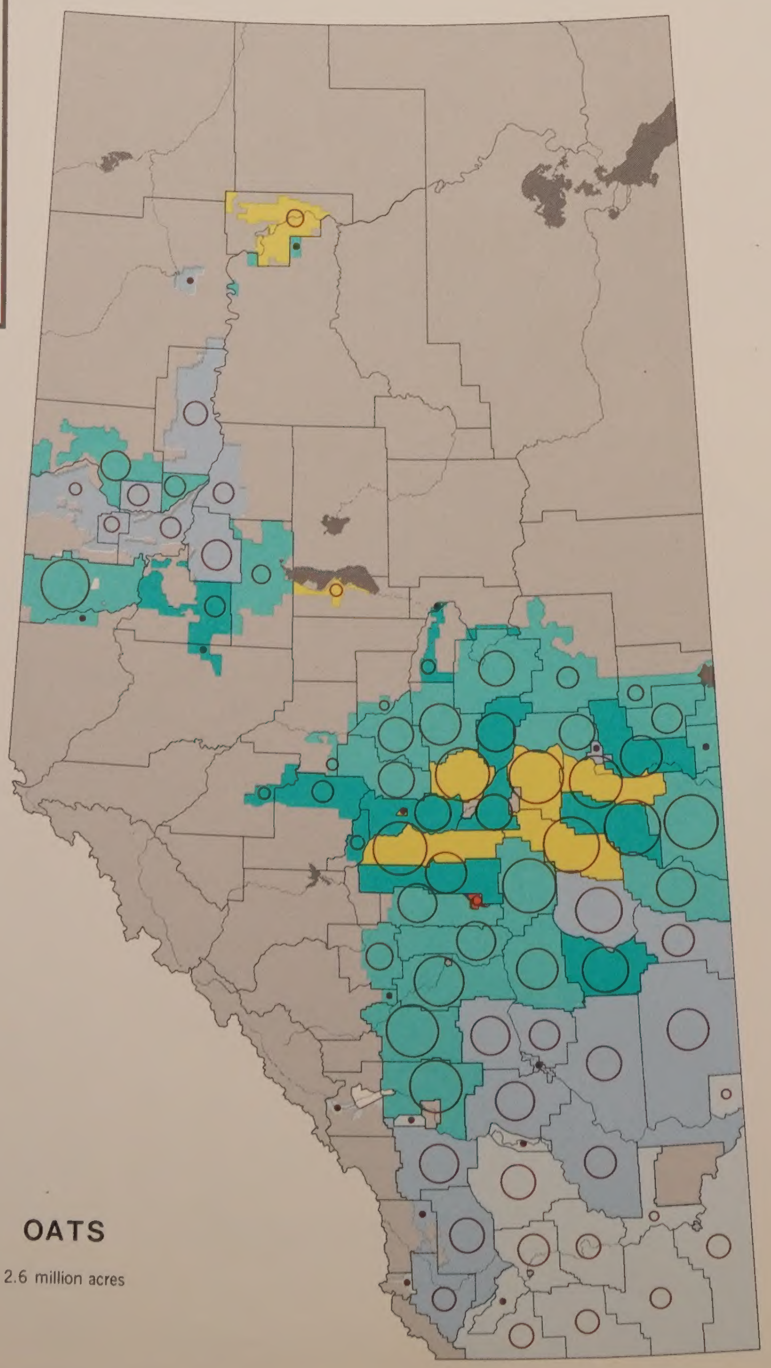



ACREAGE SOWN
'000
300
150
50
15
less than 2
Percentage of cultivated land sown in wheat, barley and oats by municipalities:
0
5
10
15
20
25
30
35
40
45
Non-agricultural area



BARLEY

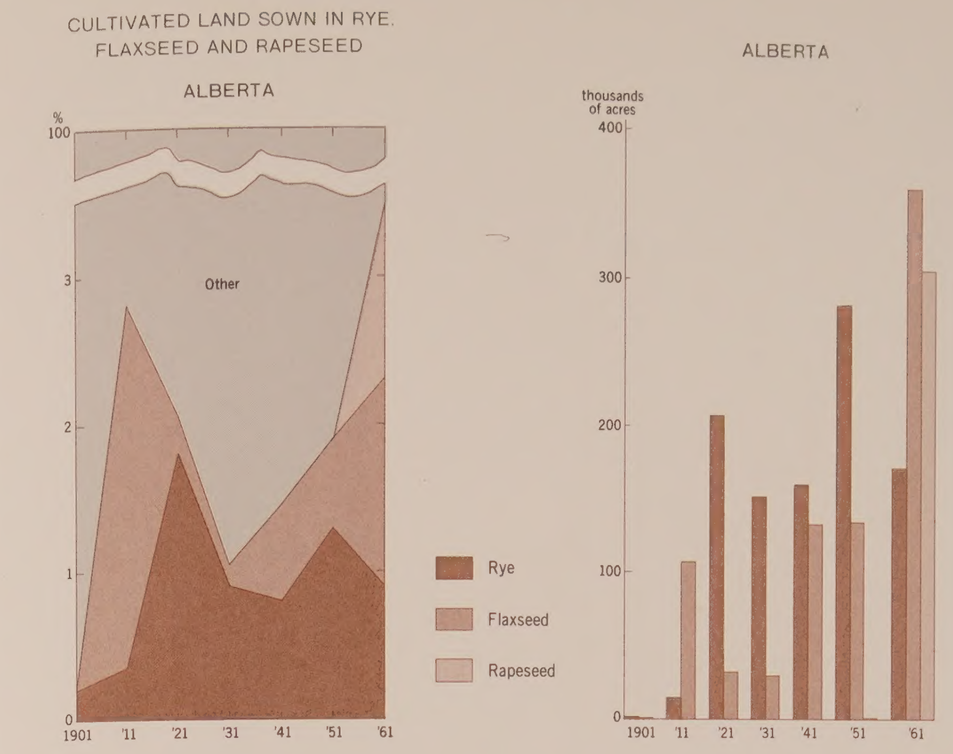
2.9 million acres



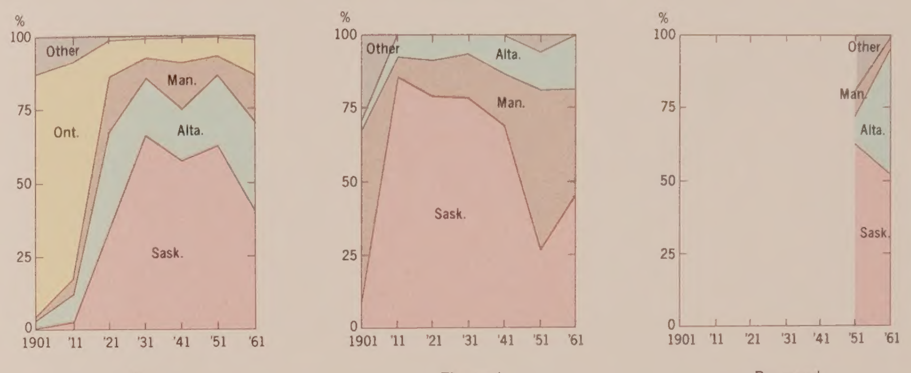
OATS

2.6 million acres

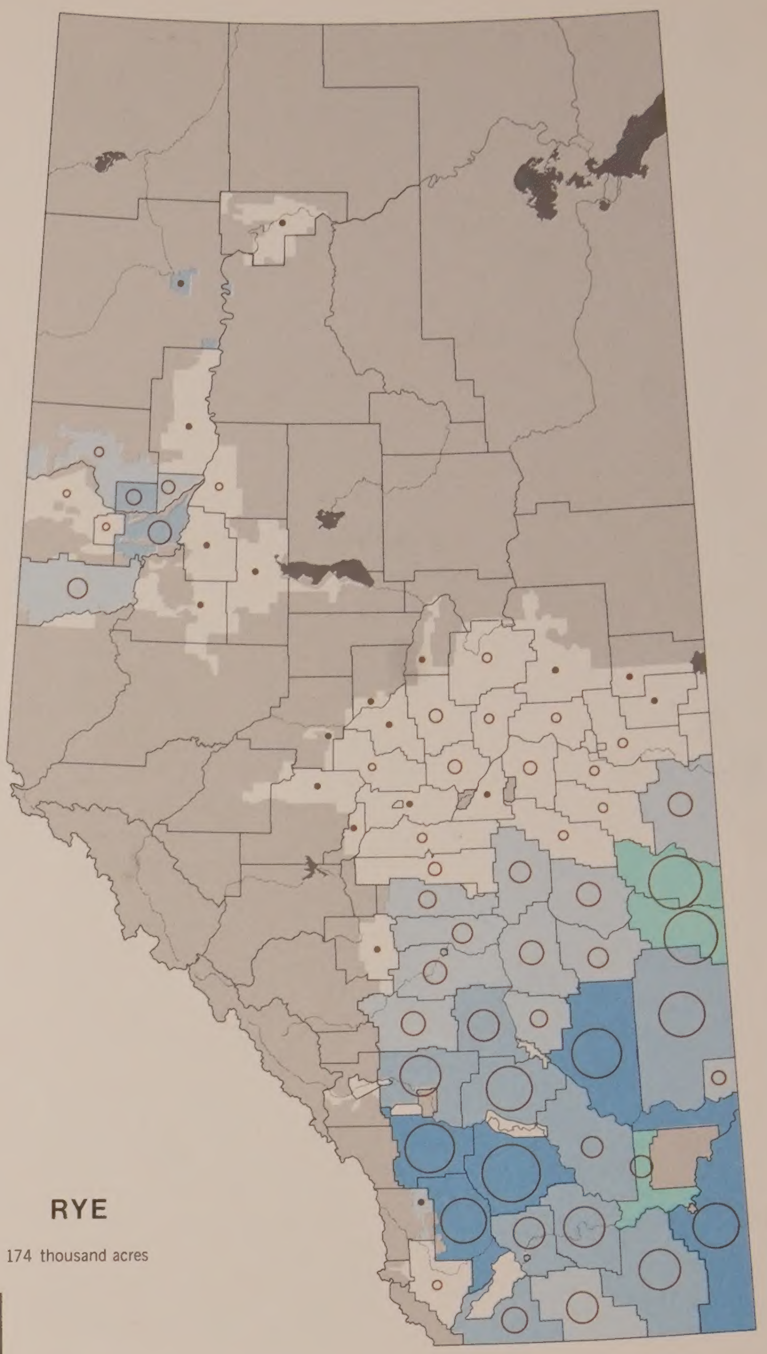
ACREAGE



CANADA



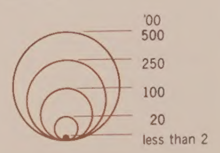
Rye Flaxseed Rapeseed



RYE

174 thousand acres

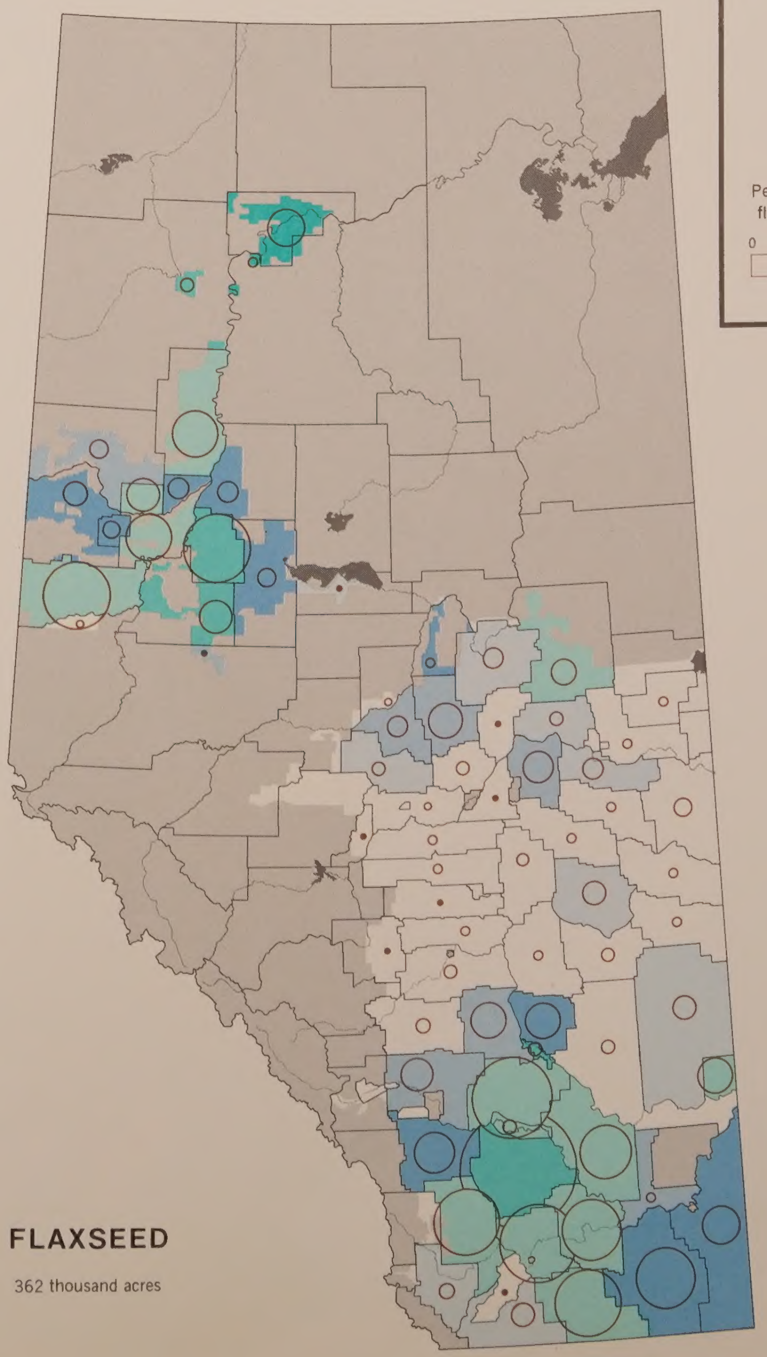
ACREAGE SOWN



Percentage of cultivated land sown in rye, flaxseed and rapeseed by municipalities:

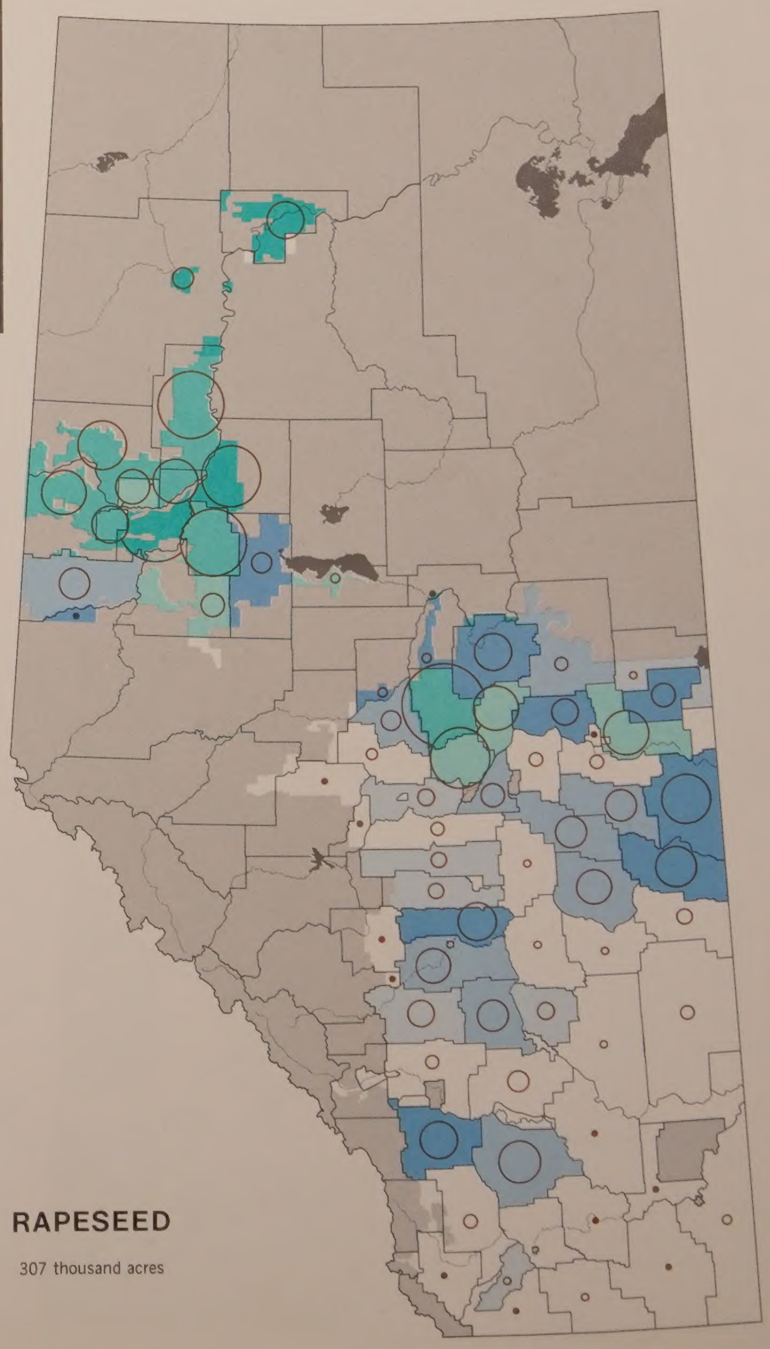
0	0.3	0.6	1.2	2.4	4.8	9.6

▨ Non-agricultural area



FLAXSEED

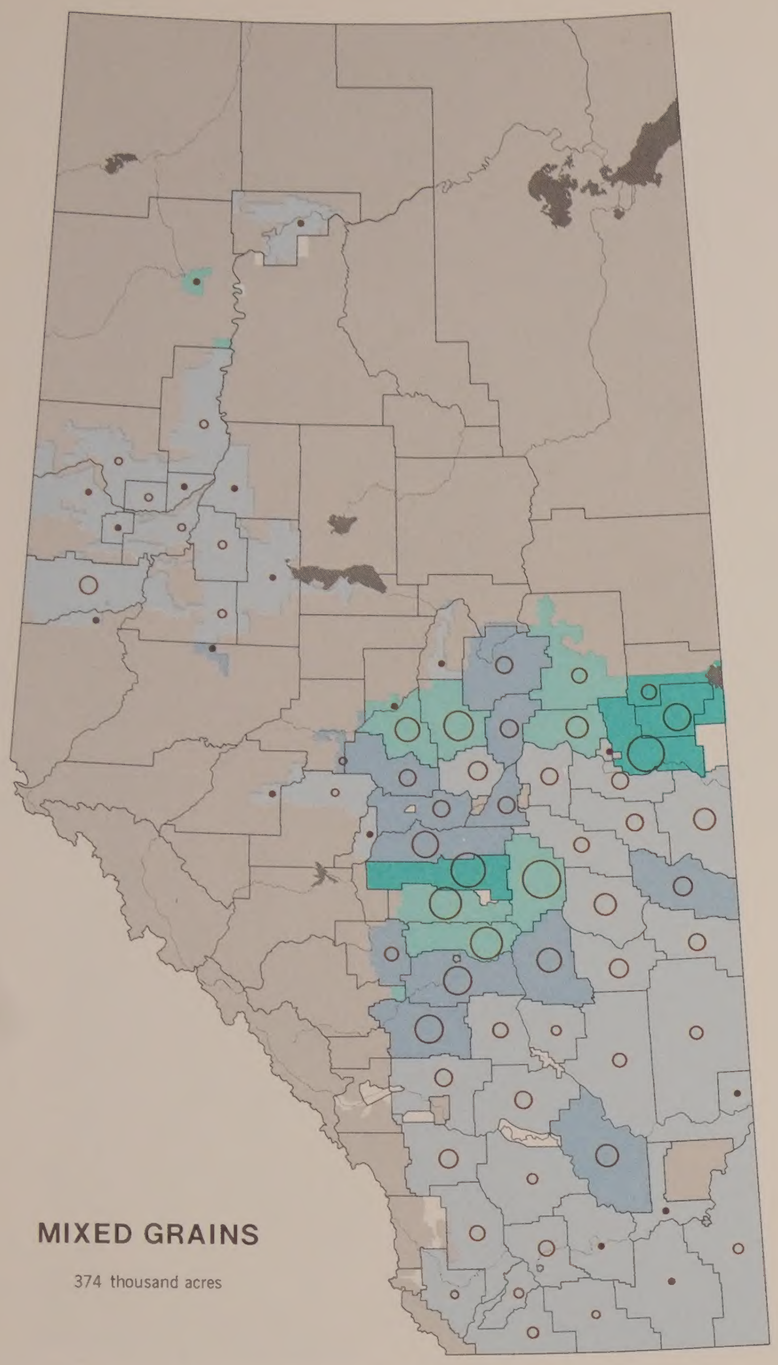
362 thousand acres



RAPESEED

307 thousand acres

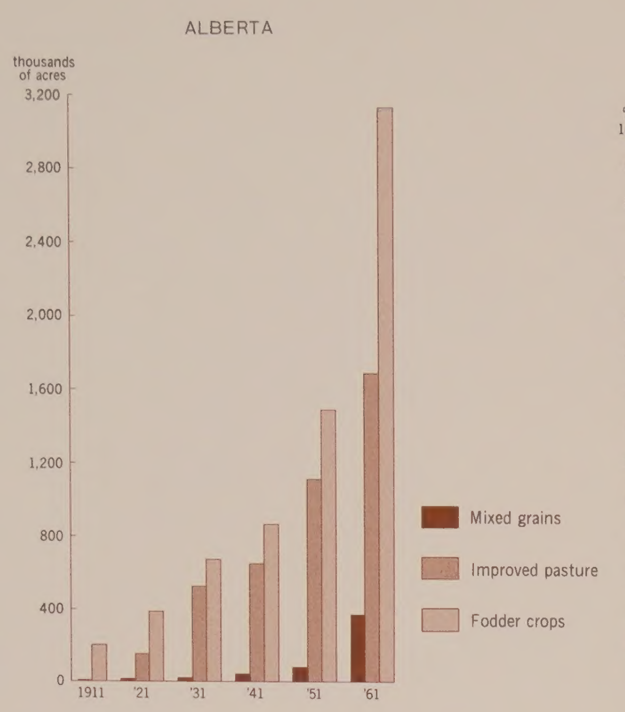
MIXED GRAINS, FODDER CROPS AND IMPROVED PASTURE, 1961

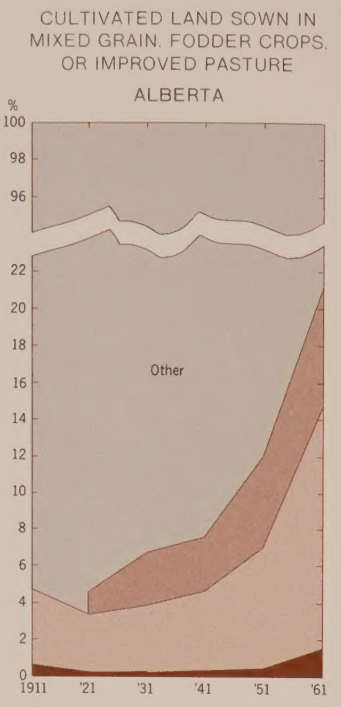


MIXED GRAINS

374 thousand acres

ACREAGE

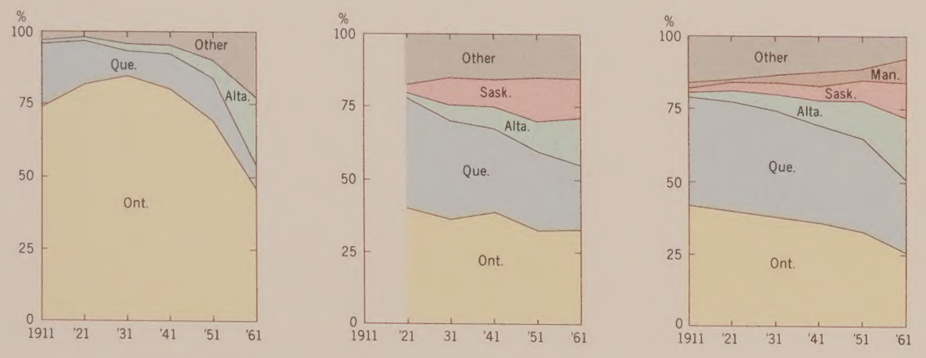




CULTIVATED LAND SOWN IN MIXED GRAIN, FODDER CROPS, OR IMPROVED PASTURE

ALBERTA

CANADA

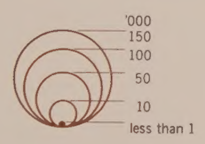


Mixed grains

Improved pasture

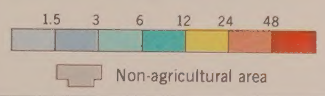
Fodder crops

ACREAGE SOWN

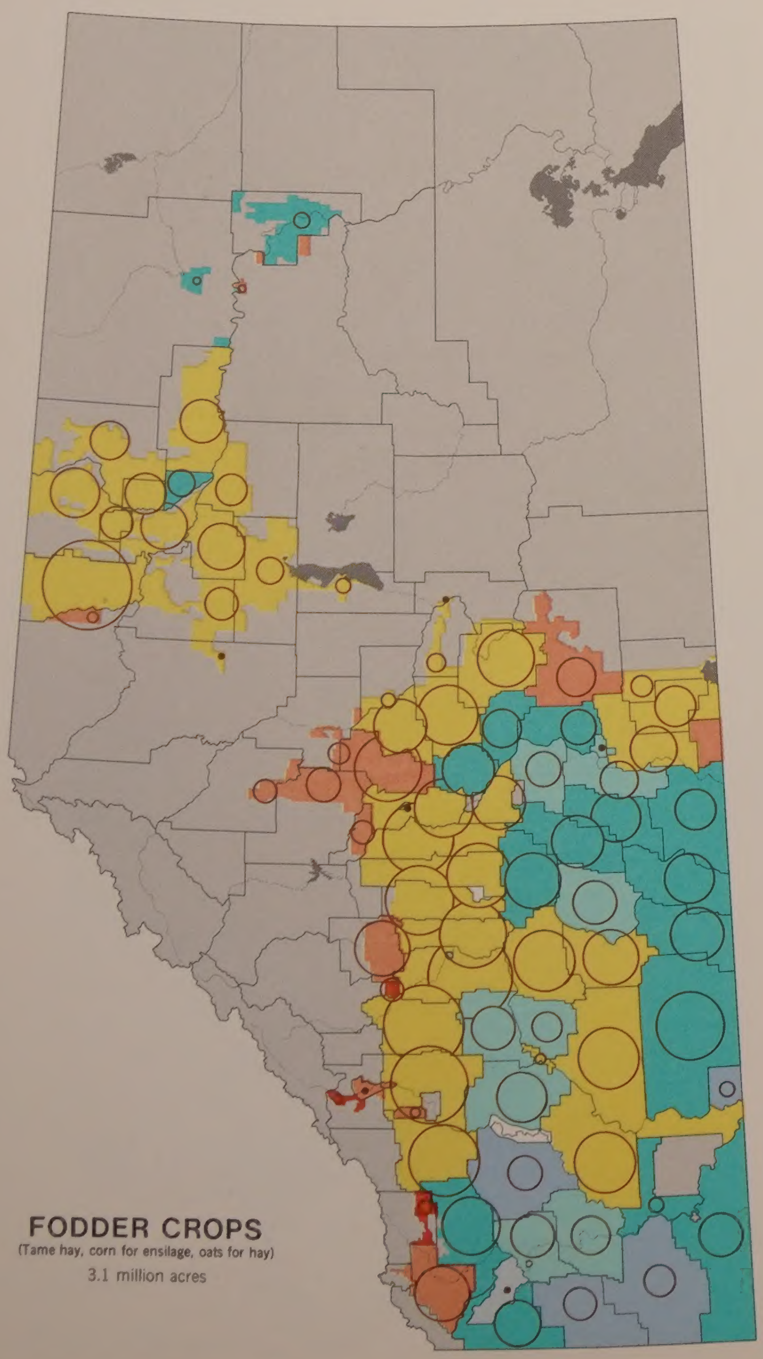


'000
150
100
50
10
less than 1

Percentage of cultivated land sown in mixed grains, fodder crops or improved pasture by municipalities:



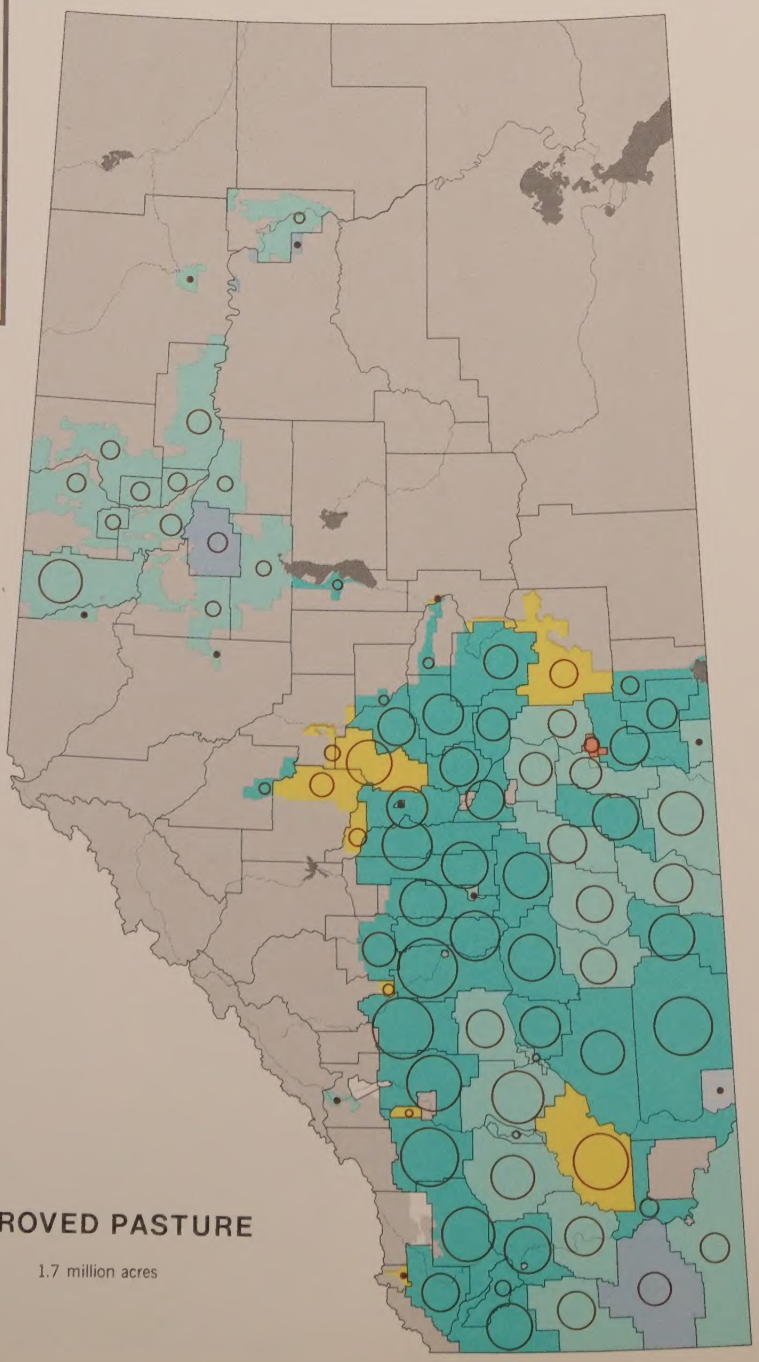
1.5
3
6
12
24
48
Non-agricultural area



FODDER CROPS

(Tame hay, corn for ensilage, oats for hay)

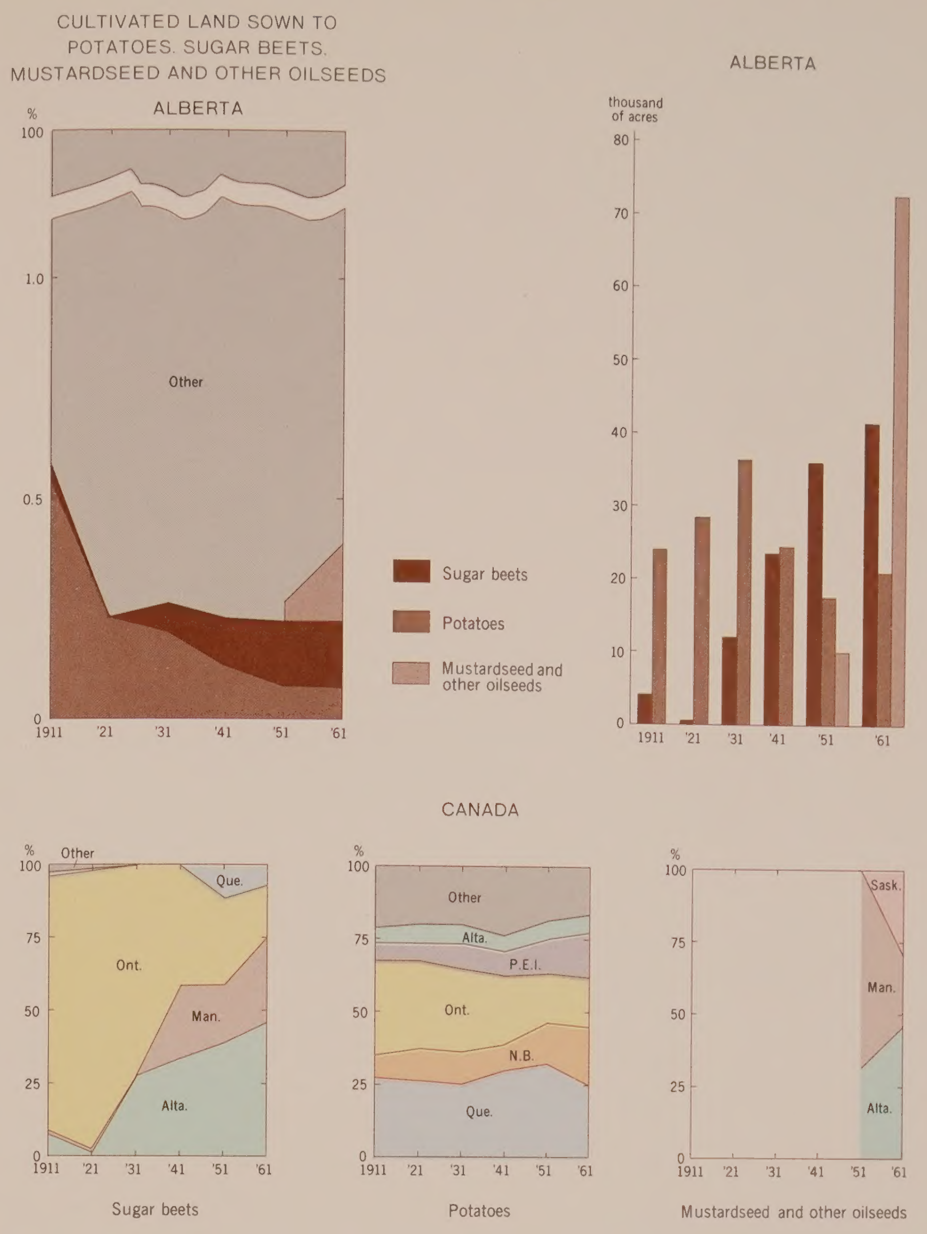
3.1 million acres

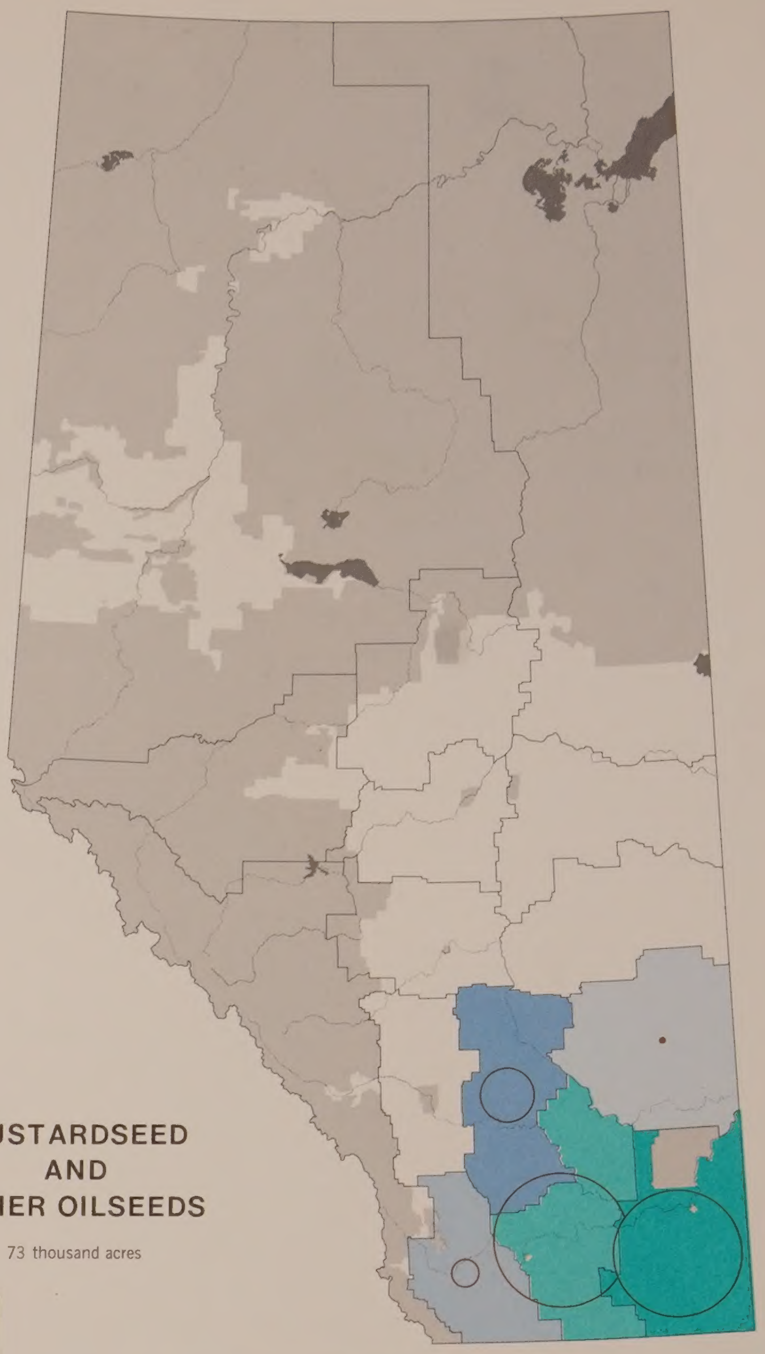


IMPROVED PASTURE

1.7 million acres

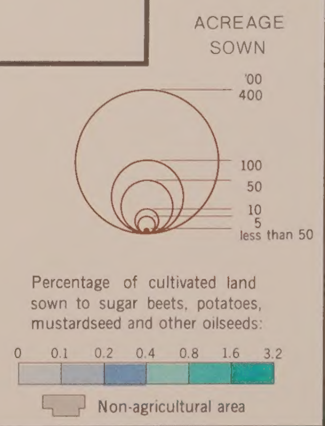
ACREAGE

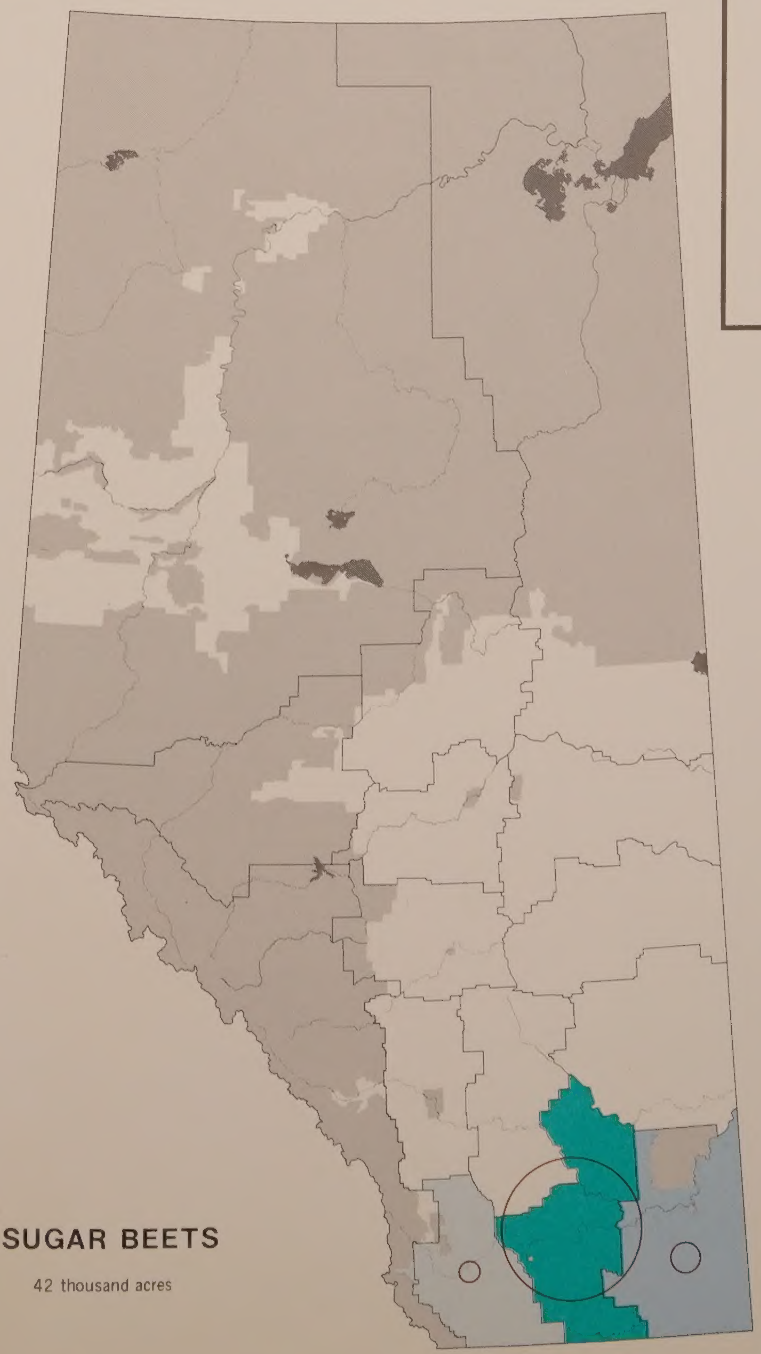




MUSTARDSEED AND OTHER OILSEEDS

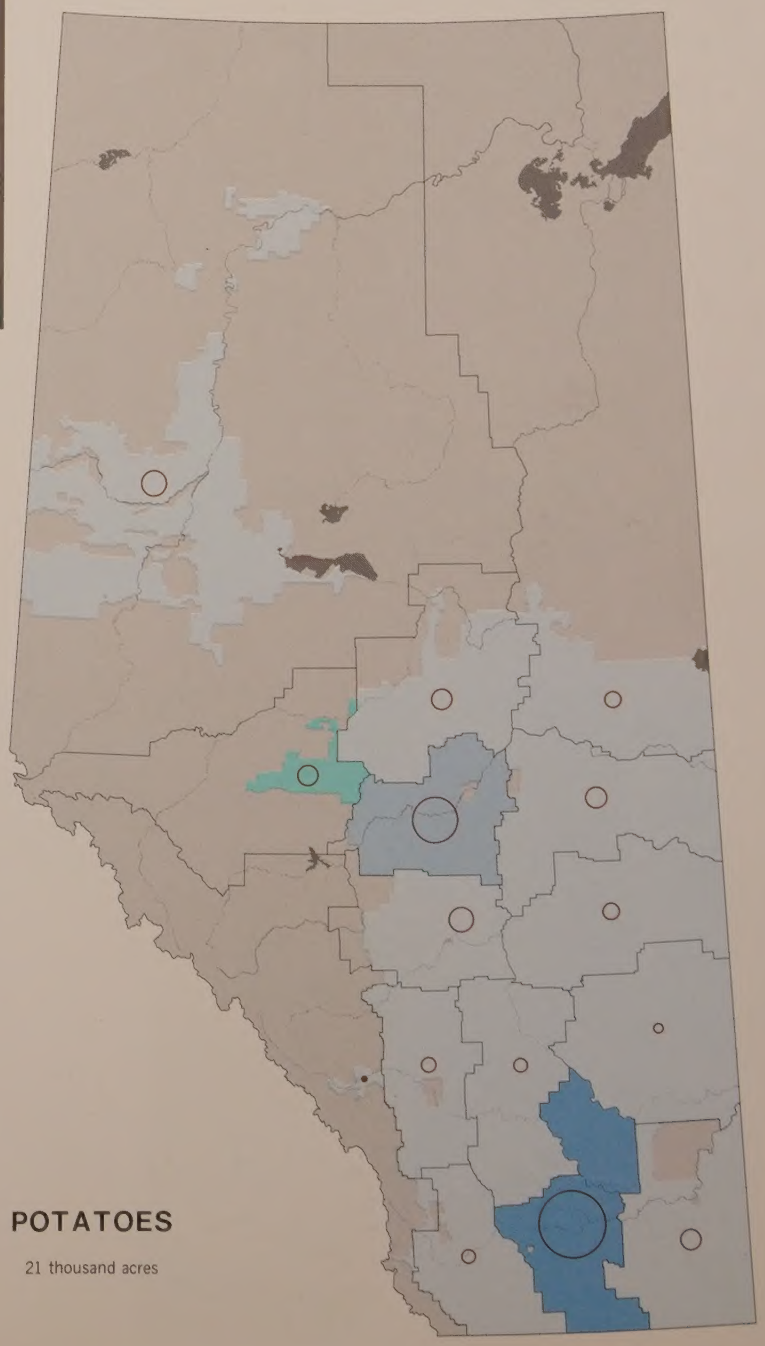
73 thousand acres


ACREAGE SOWN
'00
400
100
50
10
5
less than 50
Percentage of cultivated land sown to sugar beets, potatoes, mustardseed and other oilseeds:
0
0.1
0.2
0.4
0.8
1.6
3.2
Non-agricultural area



SUGAR BEETS

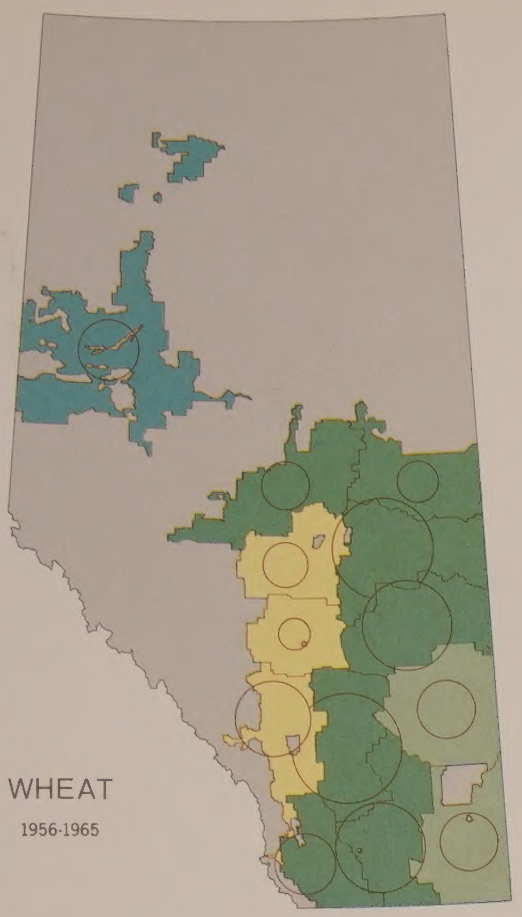
42 thousand acres



POTATOES

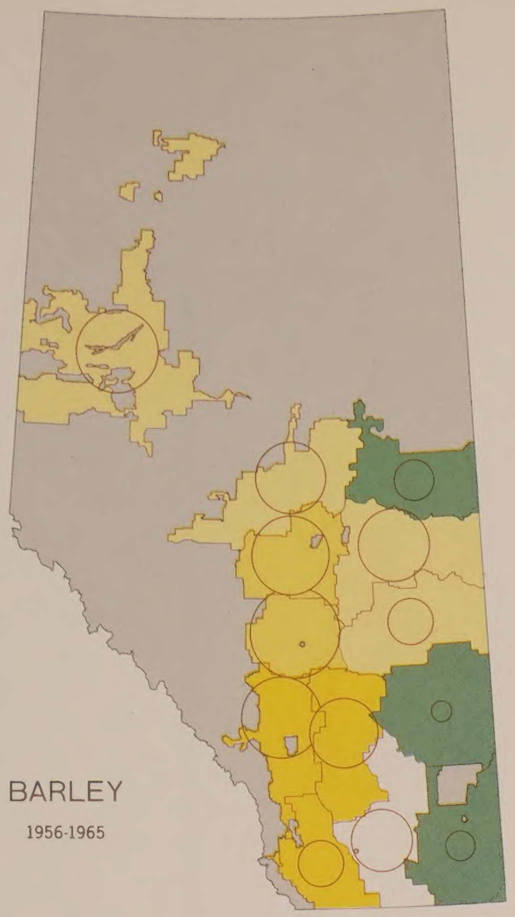
21 thousand acres

PRODUCTION AND YIELDS, Selected Crops



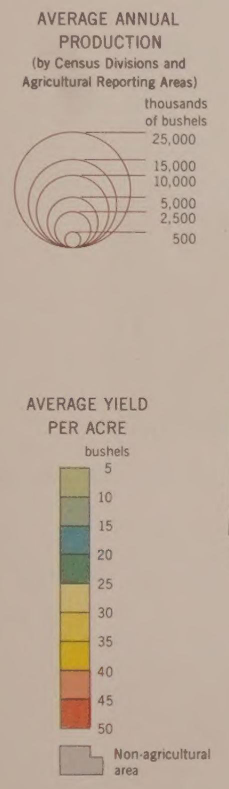
WHEAT

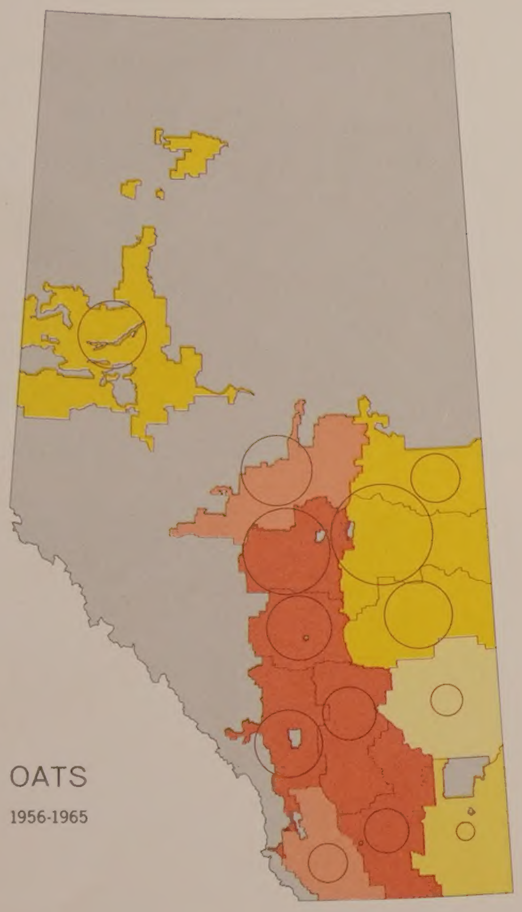
1956-1965



BARLEY

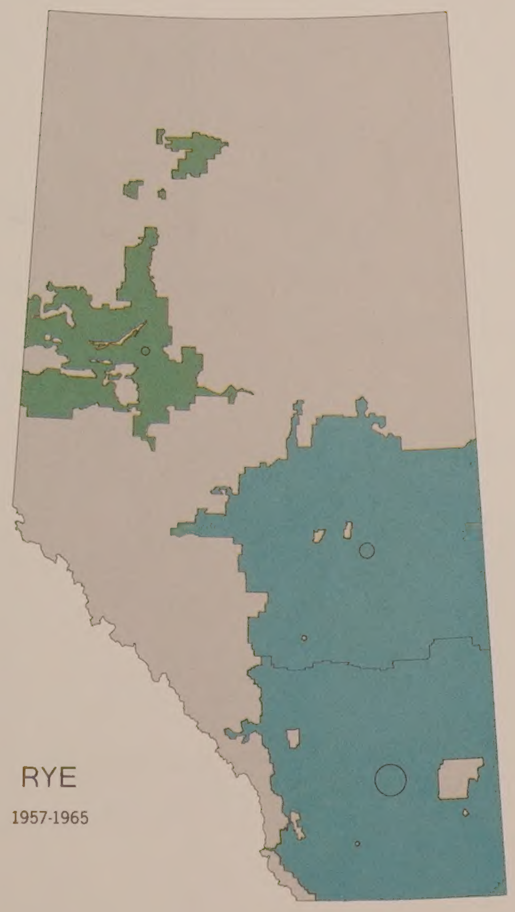
1956-1965


AVERAGE ANNUAL
PRODUCTION
(by Census Divisions and Agricultural Reporting Areas)
thousands of bushels
25,000
15,000
10,000
5,000
2,500
500
AVERAGE YIELD
PER ACRE
bushels
5
10
15
20
25
30
35
40
45
50
Non-agricultural area



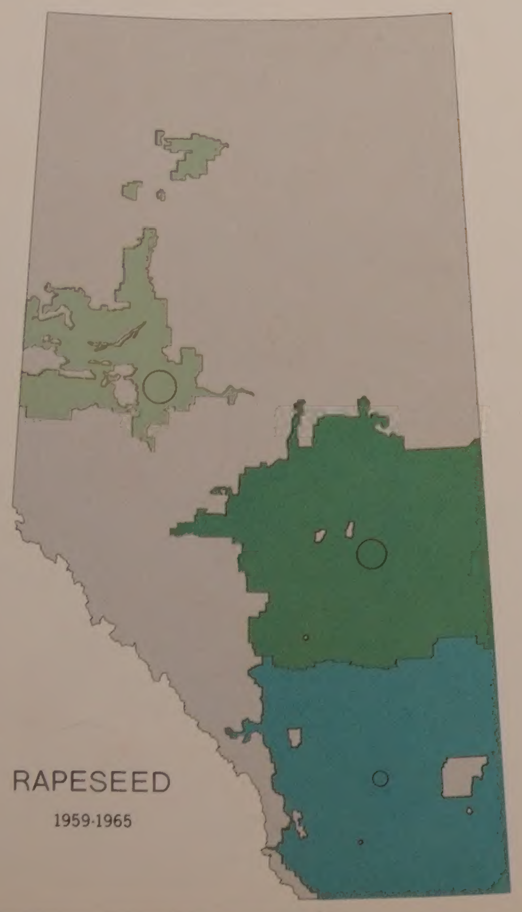
OATS

1956-1965



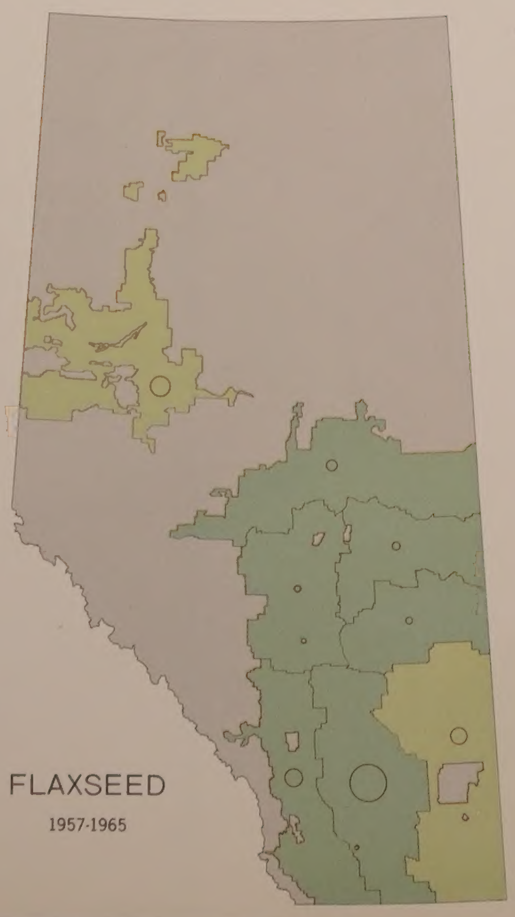
RYE

1957-1965



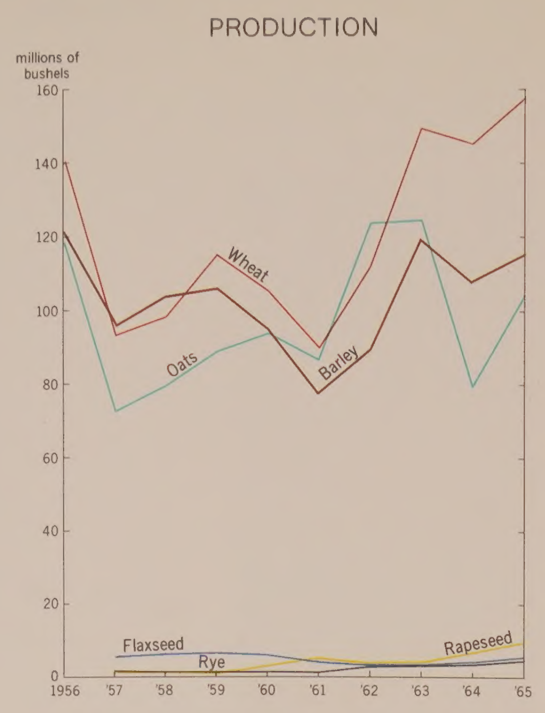
RAPESEED

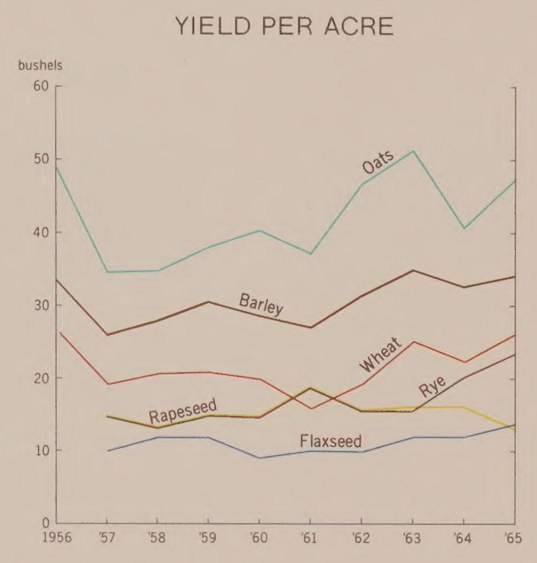
1959-1965

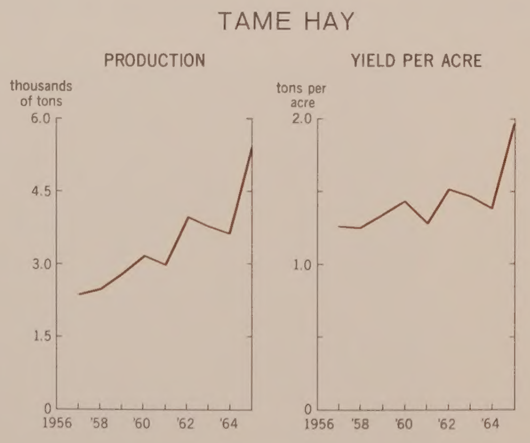


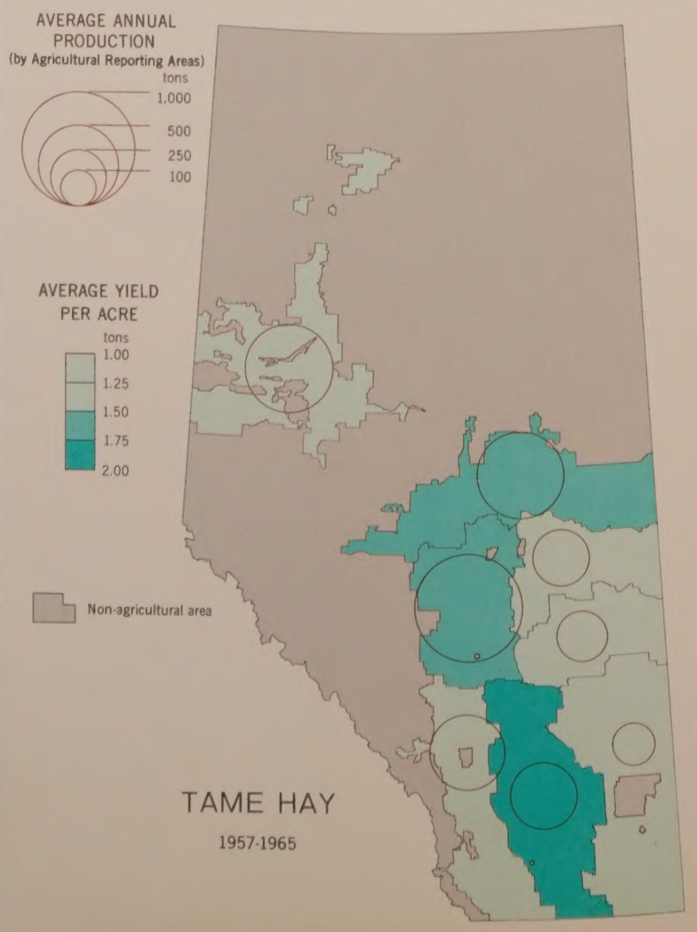
FLAXSEED

1957-1965



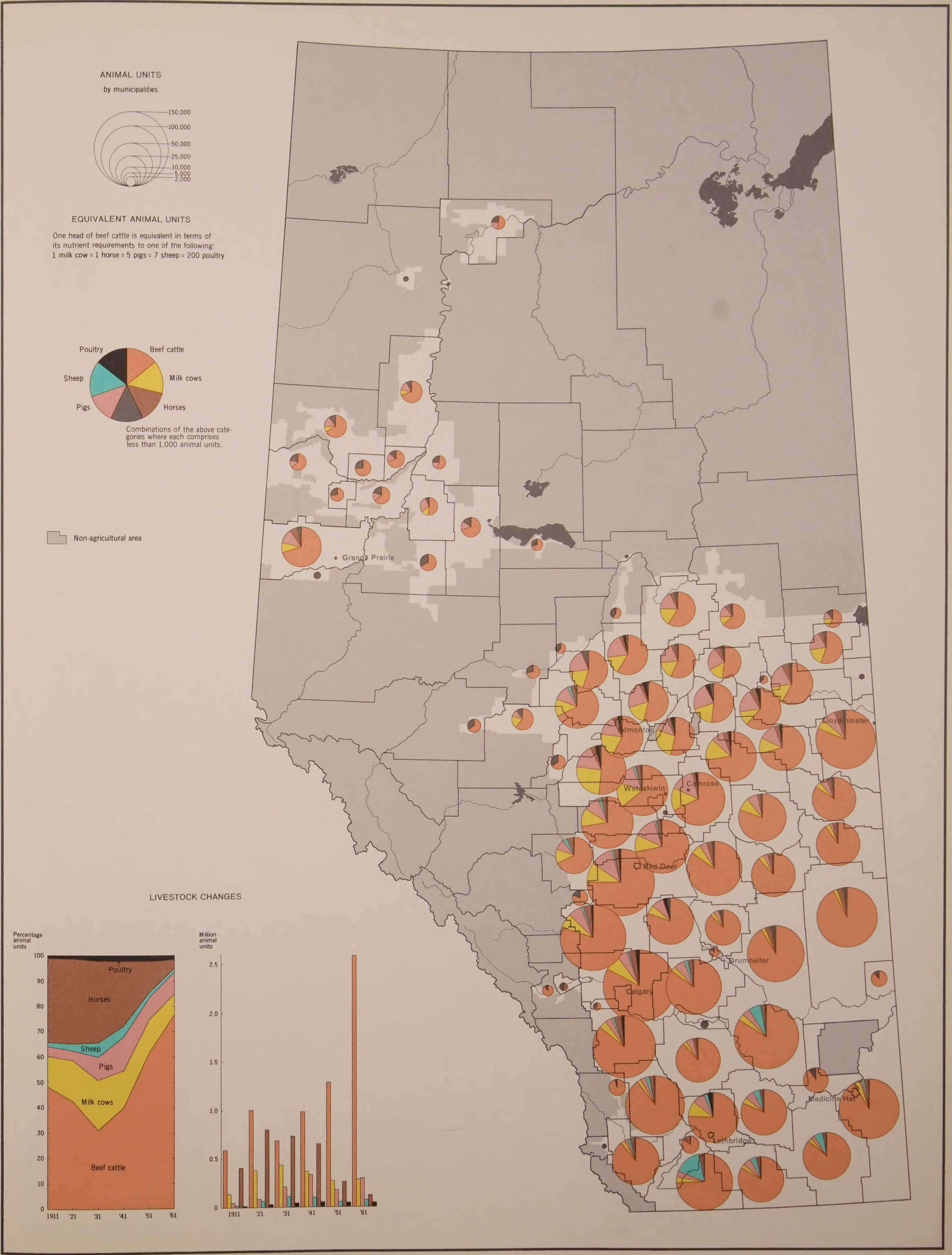


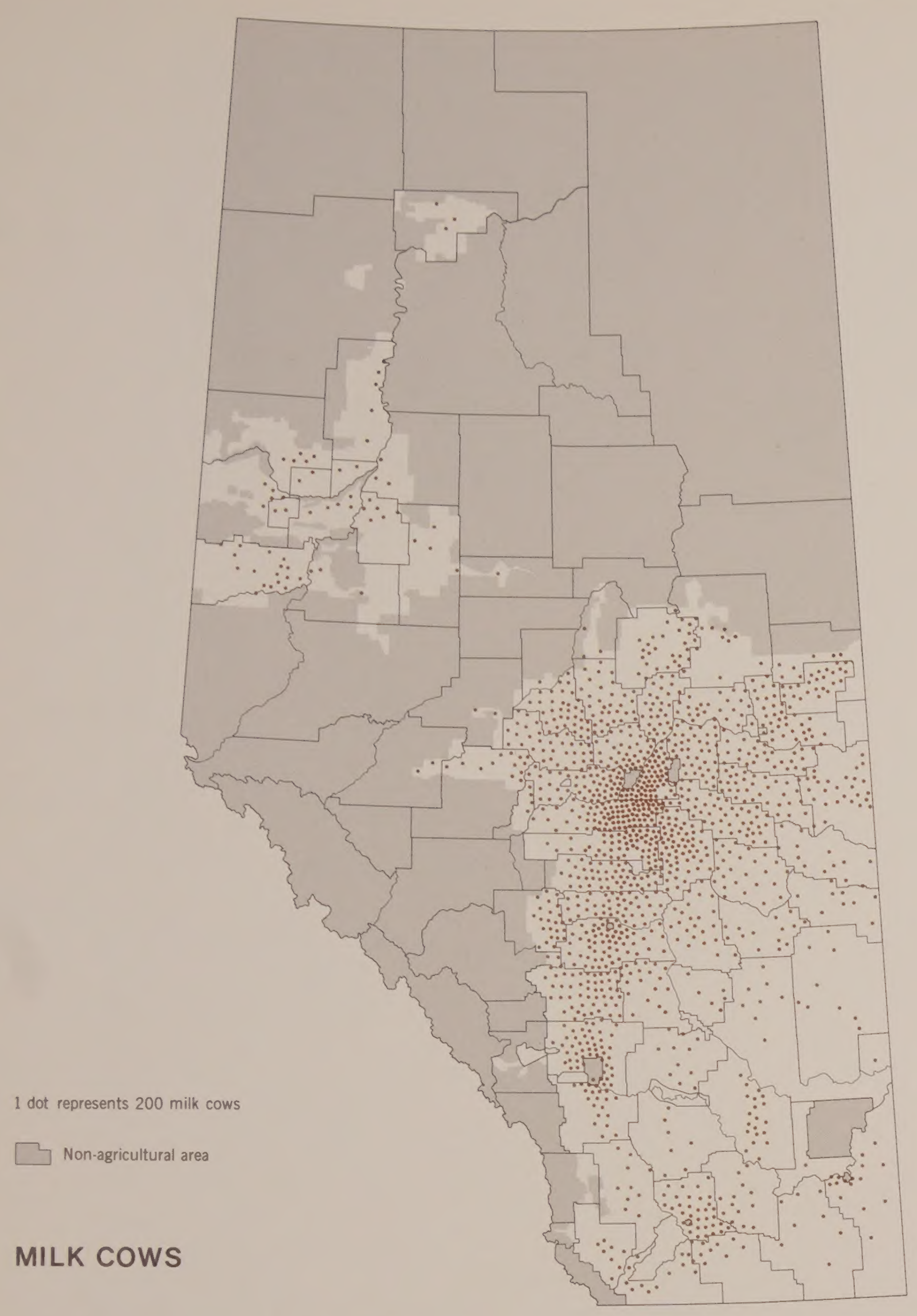



AVERAGE ANNUAL
PRODUCTION
(by Agricultural Reporting Areas)
tons
1,000
500
250
100
AVERAGE YIELD
PER ACRE
tons
1.00
1.25
1.50
1.75
2.00
Non-agricultural area

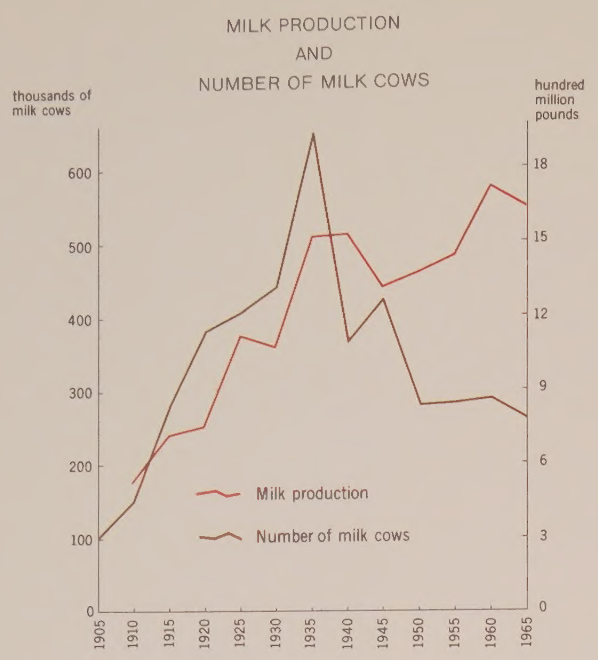
TAME HAY

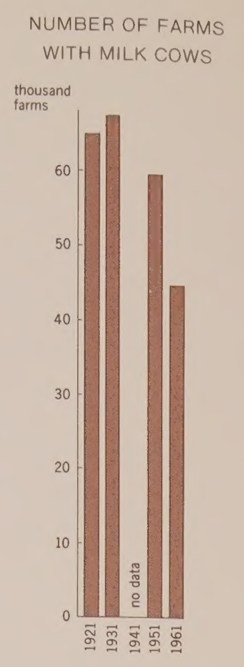
1957-1965

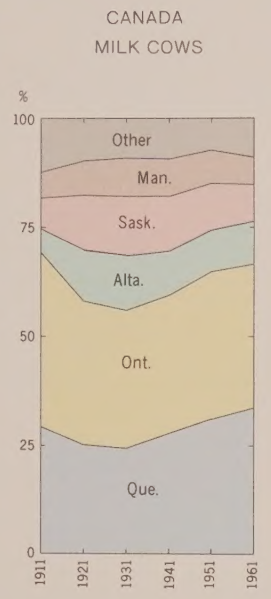

ANIMAL UNITS
by municipalities
150,000
100,000
50,000
25,000
10,000
5,000
2,000
EQUIVALENT ANIMAL UNITS
One head of beef cattle is equivalent in terms of its nutrient requirements to one of the following:
1 milk cow = 1 horse = 5 pigs = 7 sheep = 200 poultry
Poultry
Beef cattle
Sheep
Milk cows
Pigs
Horses
Combinations of the above categories where each comprises less than 1,000 animal units.
Non-agricultural area
Grande Prairie
Edmonton
Lloydminster
Wetaskiwin
Camrose
Red Deer
Drumheller
Calgary
Medicine Hat
Lethbridge
LIVESTOCK CHANGES
Percentage animal units
100
90
80
70
60
50
40
30
20
10
0
Poultry
Horses
Sheep
Pigs
Milk cows
Beef cattle
1911
'21
'31
'41
'51
'61
Million animal units
2.5
2.0
1.5
1.0
0.5
0
1911
'21
'31
'41
'51
'61

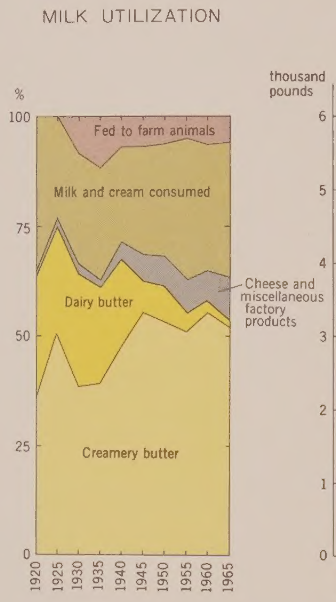

1 dot represents 200 milk cows
▨ Non-agricultural area

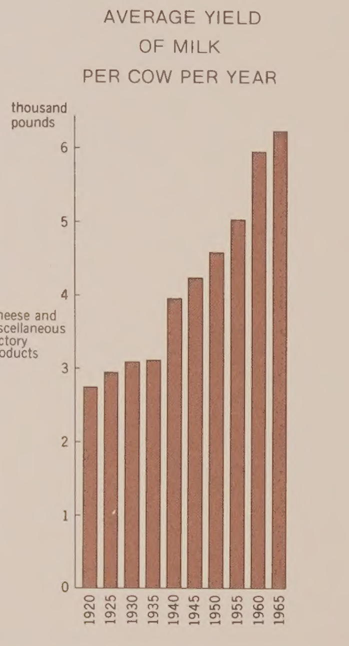
MILK COWS

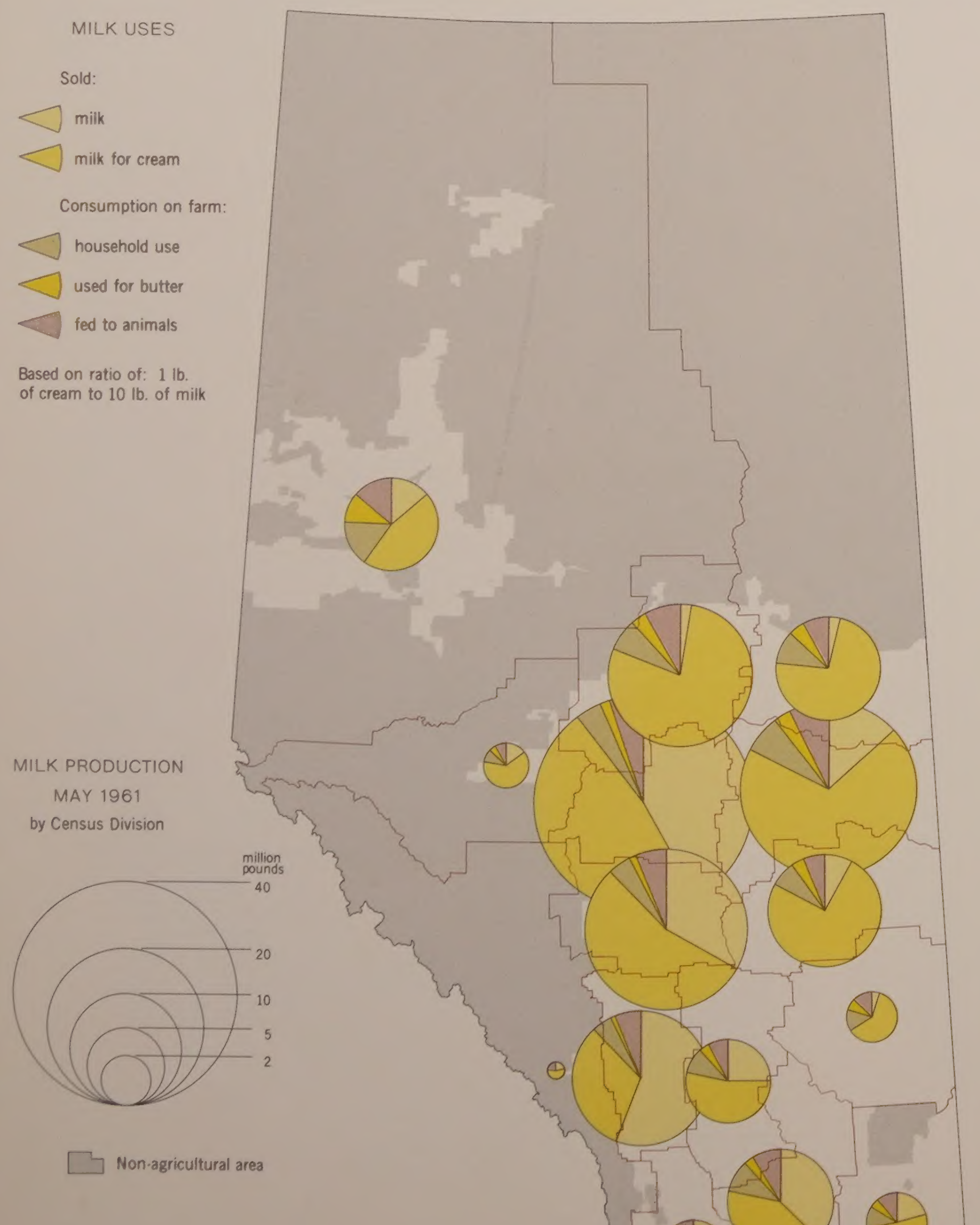

MILK PRODUCTION AND NUMBER OF MILK COWS


NUMBER OF FARMS WITH MILK COWS

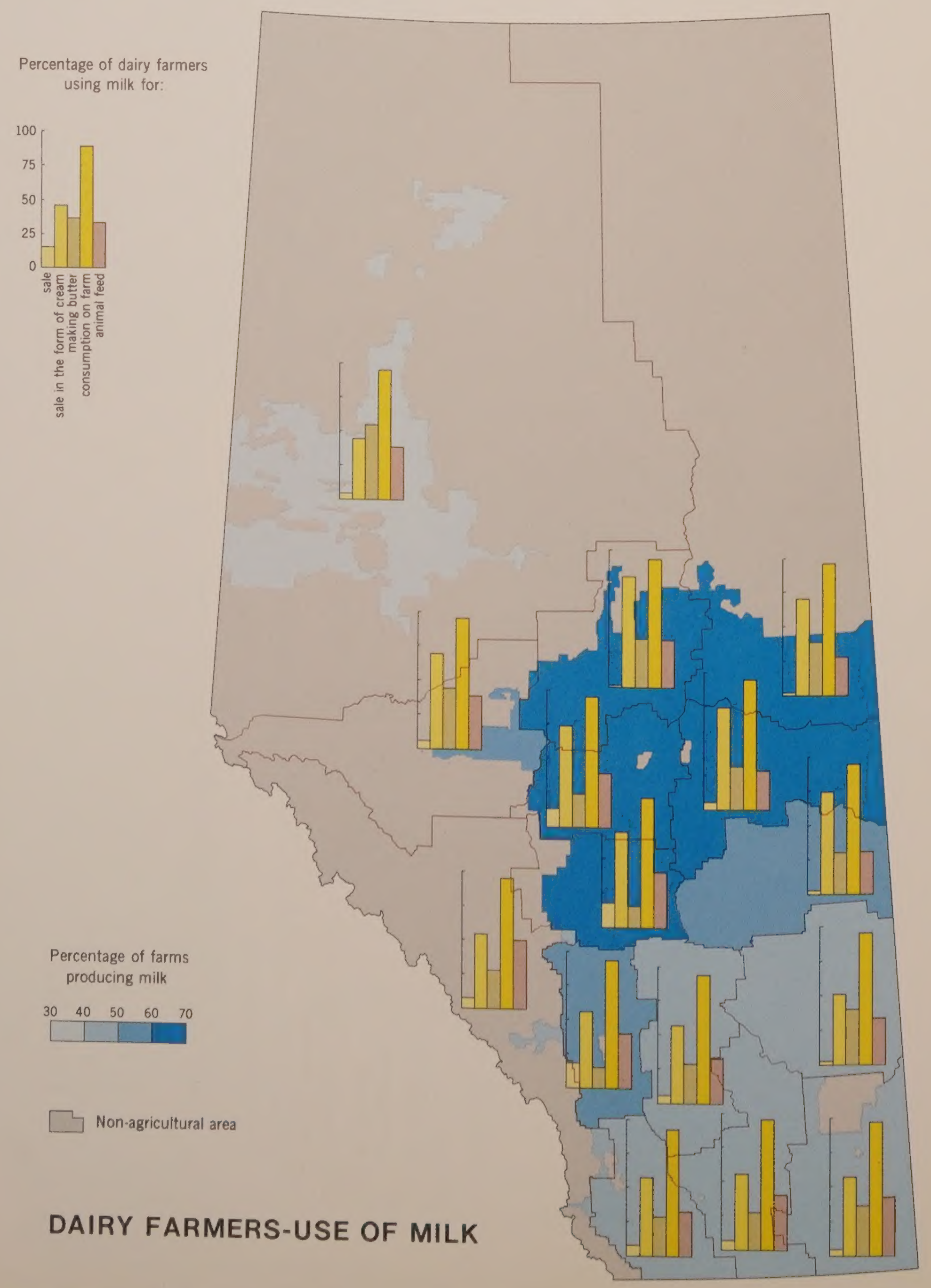

CANADA MILK COWS


MILK UTILIZATION

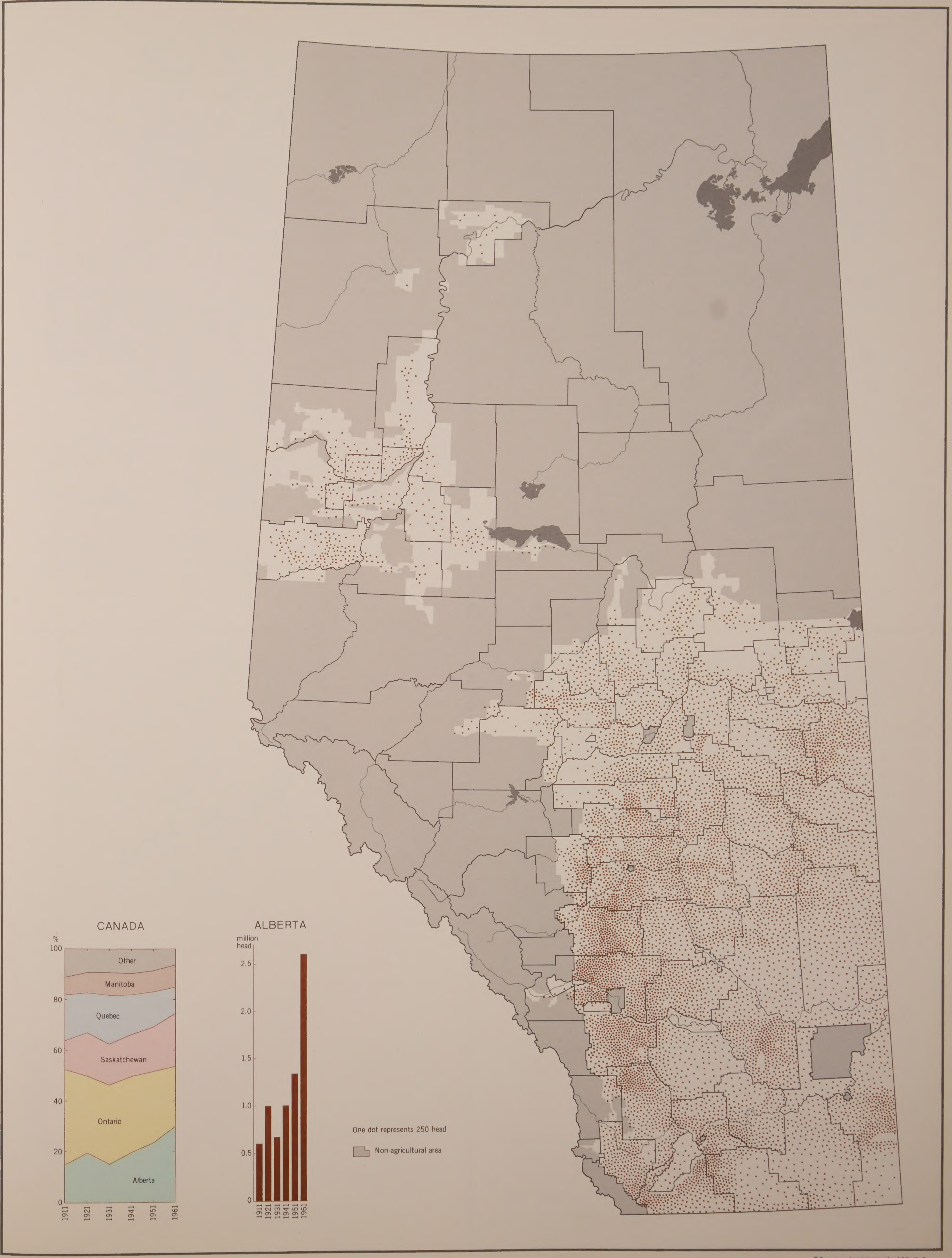

AVERAGE YIELD OF MILK PER COW PER YEAR


MILK USES
Sold:
milk
milk for cream
Consumption on farm:
household use
used for butter
fed to animals
Based on ratio of: 1 lb. of cream to 10 lb. of milk
MILK PRODUCTION
MAY 1961
by Census Division
million pounds
40
20
10
5
2
▨ Non-agricultural area

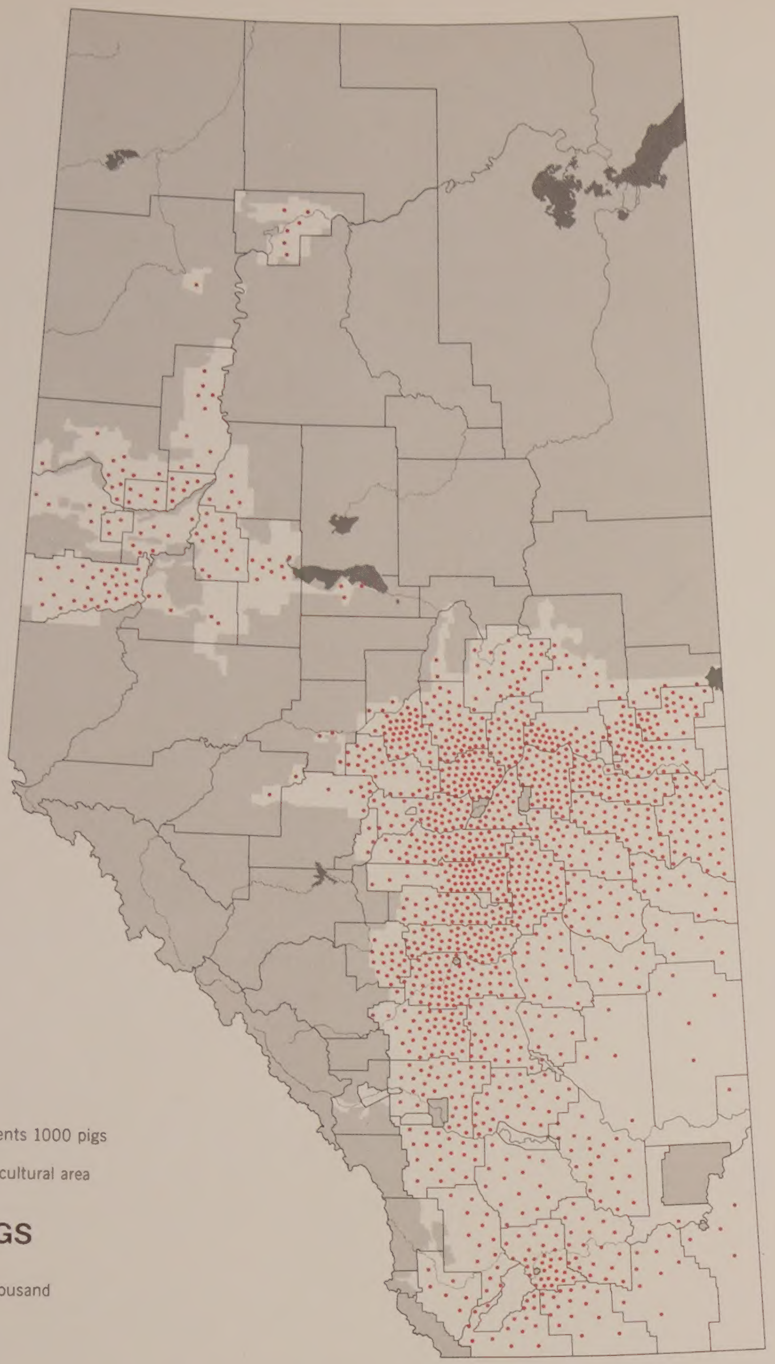
MILK USES AND PRODUCTION


Percentage of dairy farmers using milk for:
0
25
50
75
100
sale
sale in the form of cream
making butter
consumption on farm
animal feed
Percentage of farms producing milk
30
40
50
60
70
▨ Non-agricultural area

DAIRY FARMERS-USE OF MILK


CANADA
%
100
80
60
40
20
0
Other
Manitoba
Quebec
Saskatchewan
Ontario
Alberta
1911
1921
1931
1941
1951
1961
ALBERTA
million head
2.5
2.0
1.5
1.0
0.5
0
1911
1921
1931
1941
1951
1961
One dot represents 250 head
Non-agricultural area

PIGS, SHEEP AND HORSES



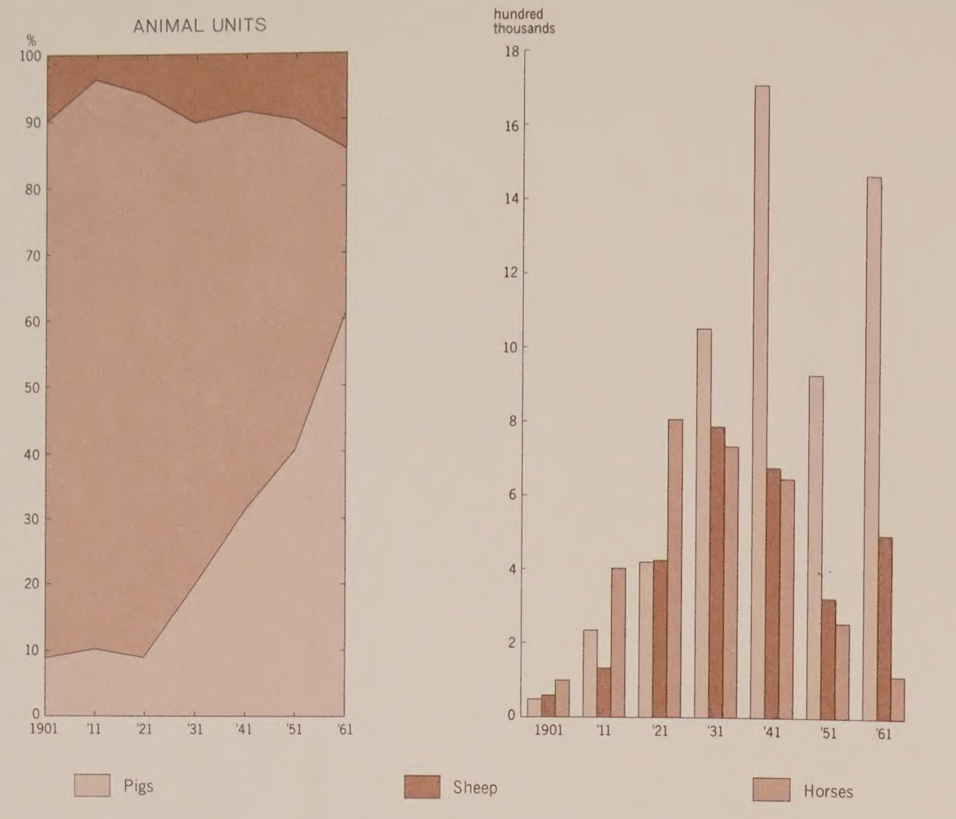
One dot represents 1000 pigs

▨ Non-agricultural area

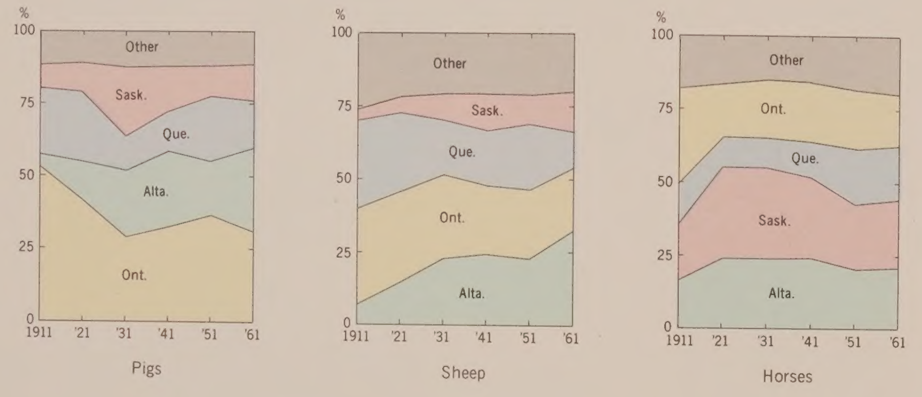
PIGS

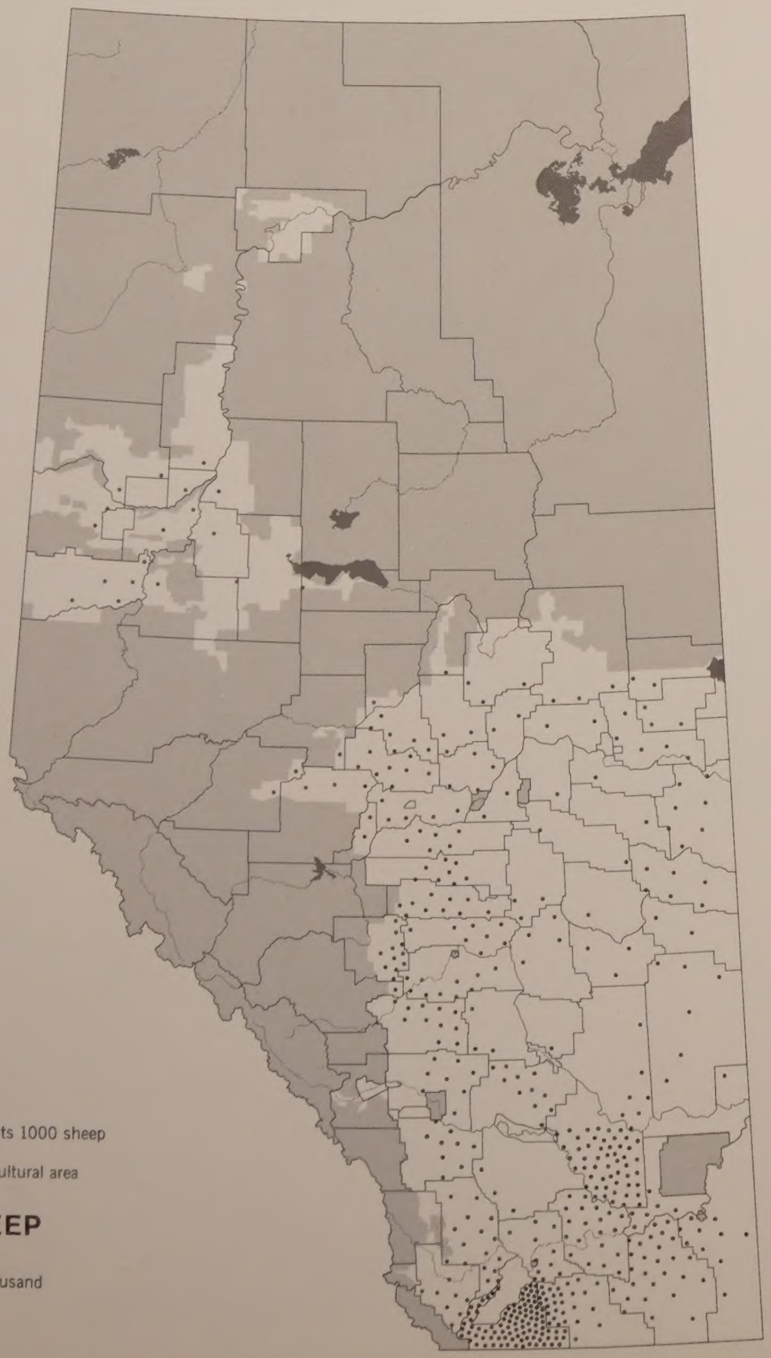
1470 thousand

ALBERTA



CANADA



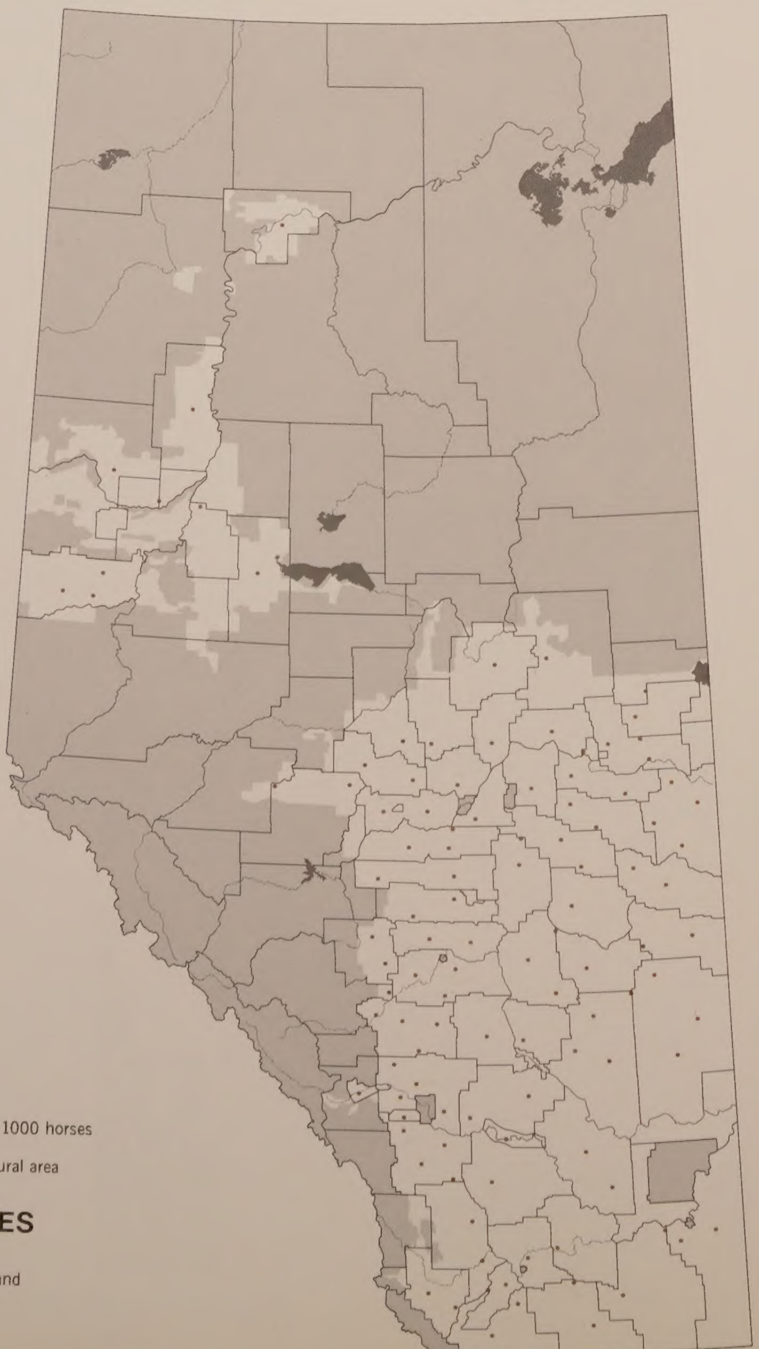


One dot represents 1000 sheep

▨ Non-agricultural area

SHEEP

497 thousand

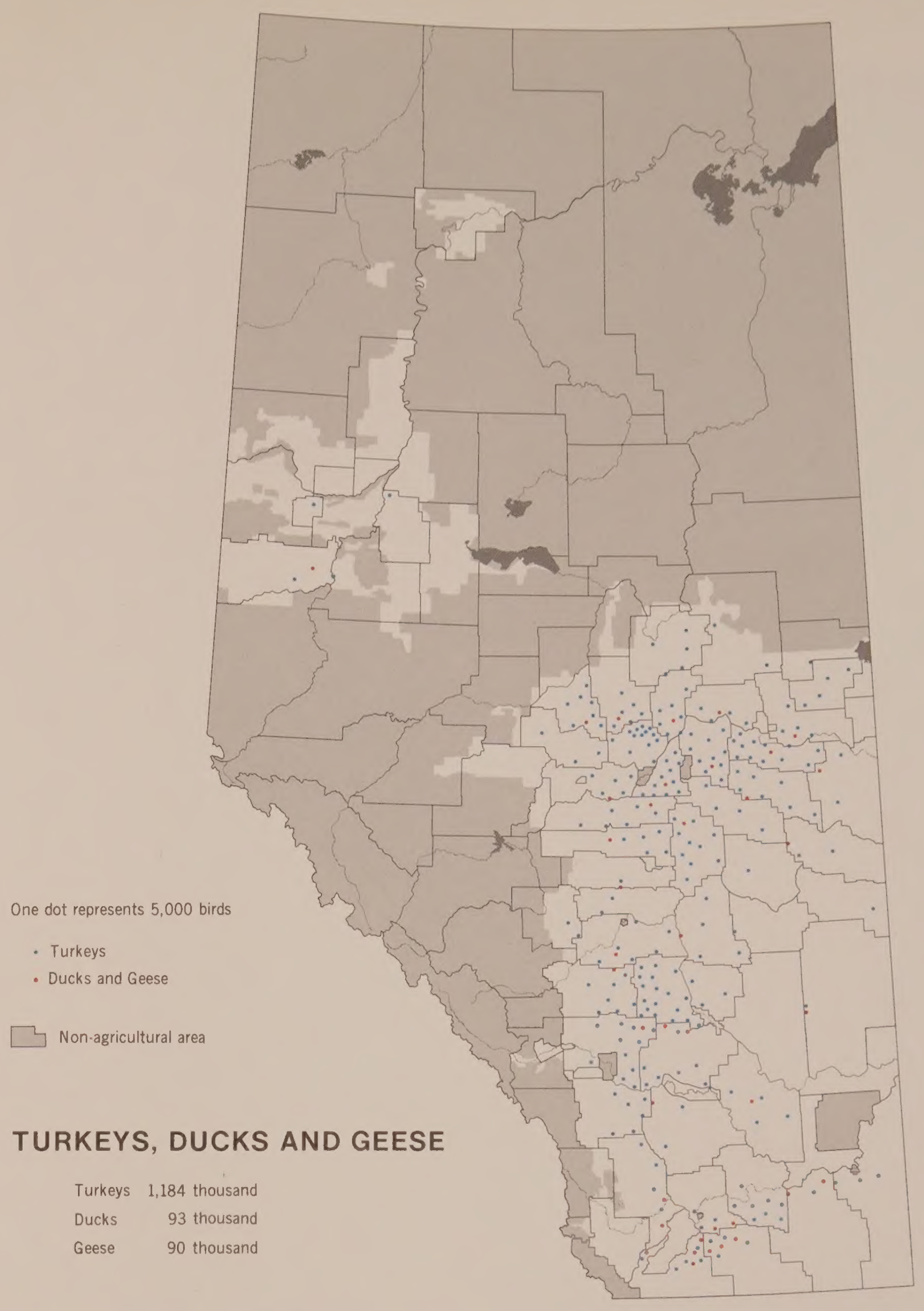


One dot represents 1000 horses

▨ Non-agricultural area

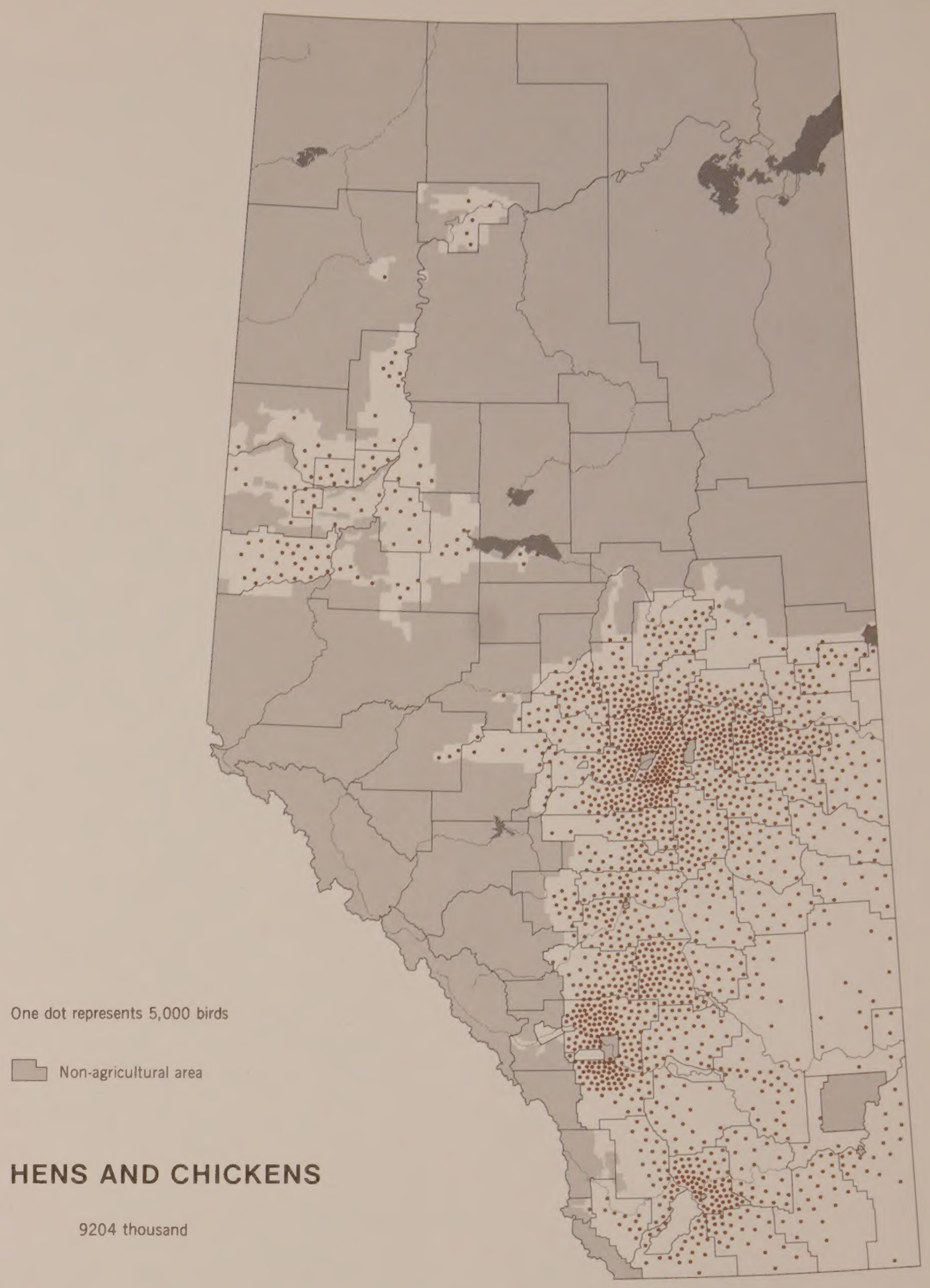
HORSES

113 thousand


One dot represents 5,000 birds
• Turkeys
• Ducks and Geese
Non-agricultural area

TURKEYS, DUCKS AND GEESE

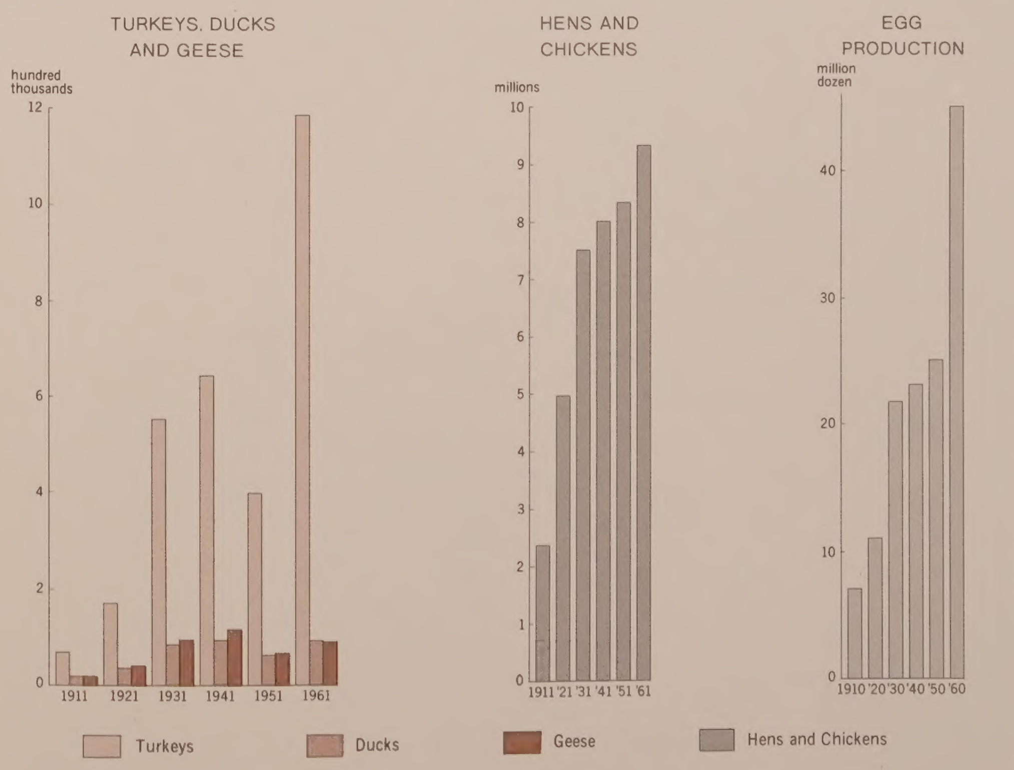
Turkeys	1,184 thousand
Ducks	93 thousand
Geese	90 thousand


One dot represents 5,000 birds
Non-agricultural area

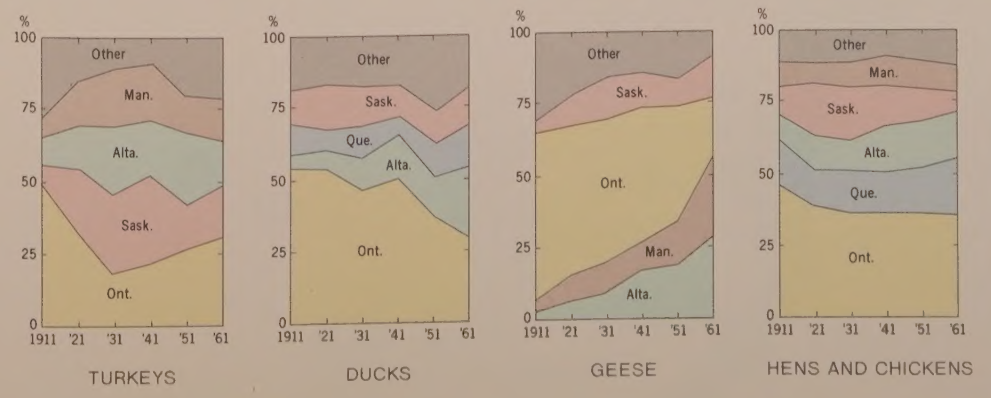
HENS AND CHICKENS

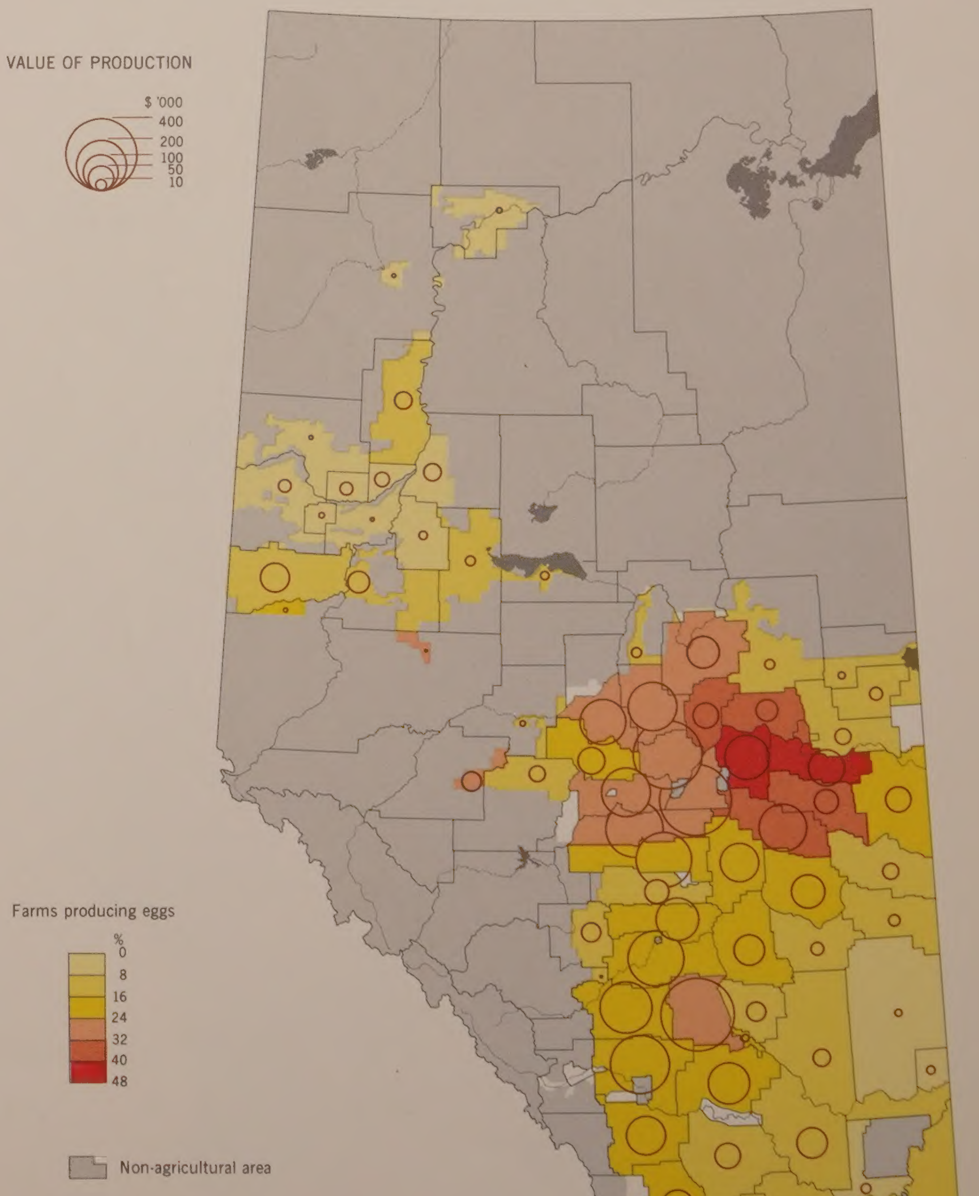
9204 thousand

ALBERTA



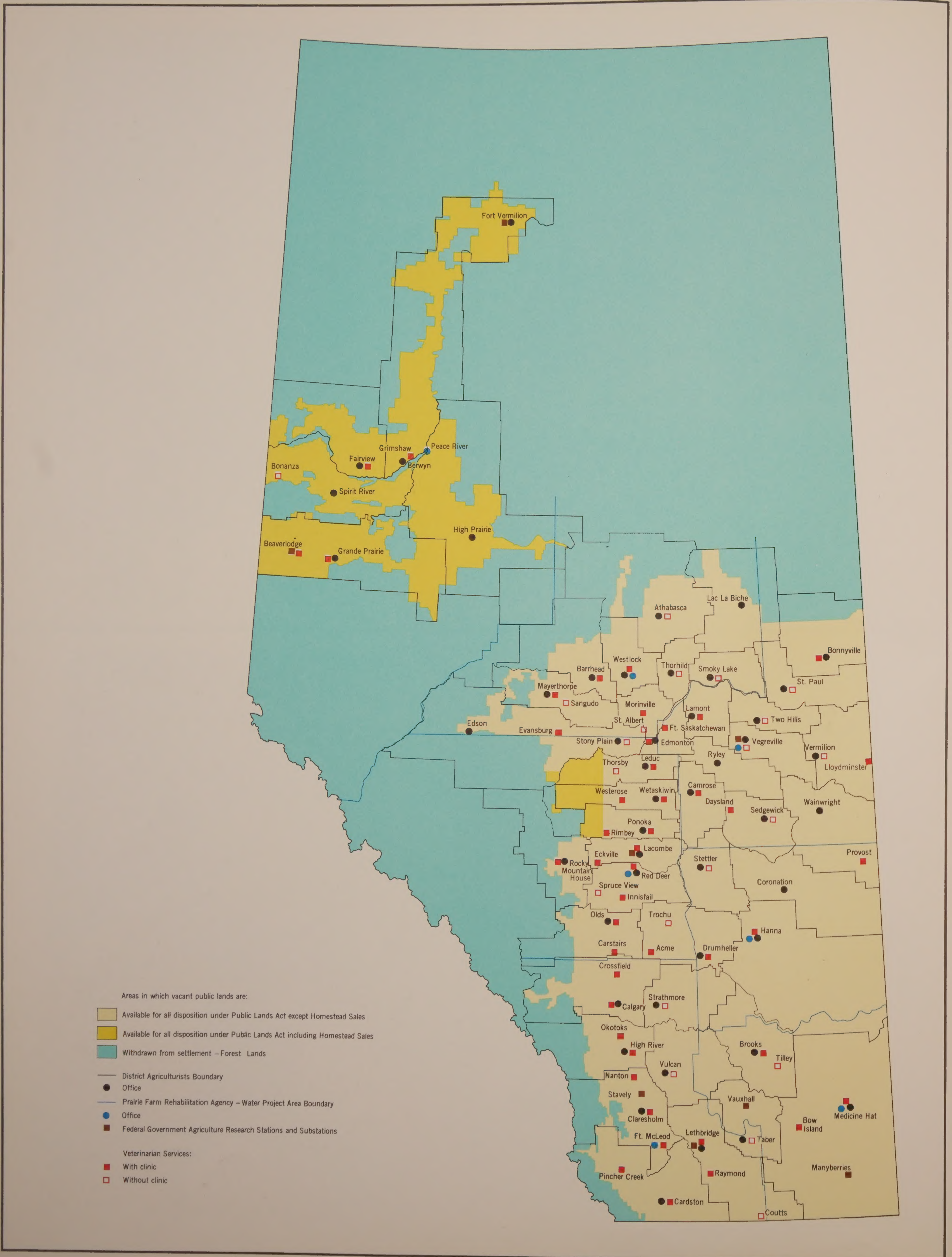
CANADA

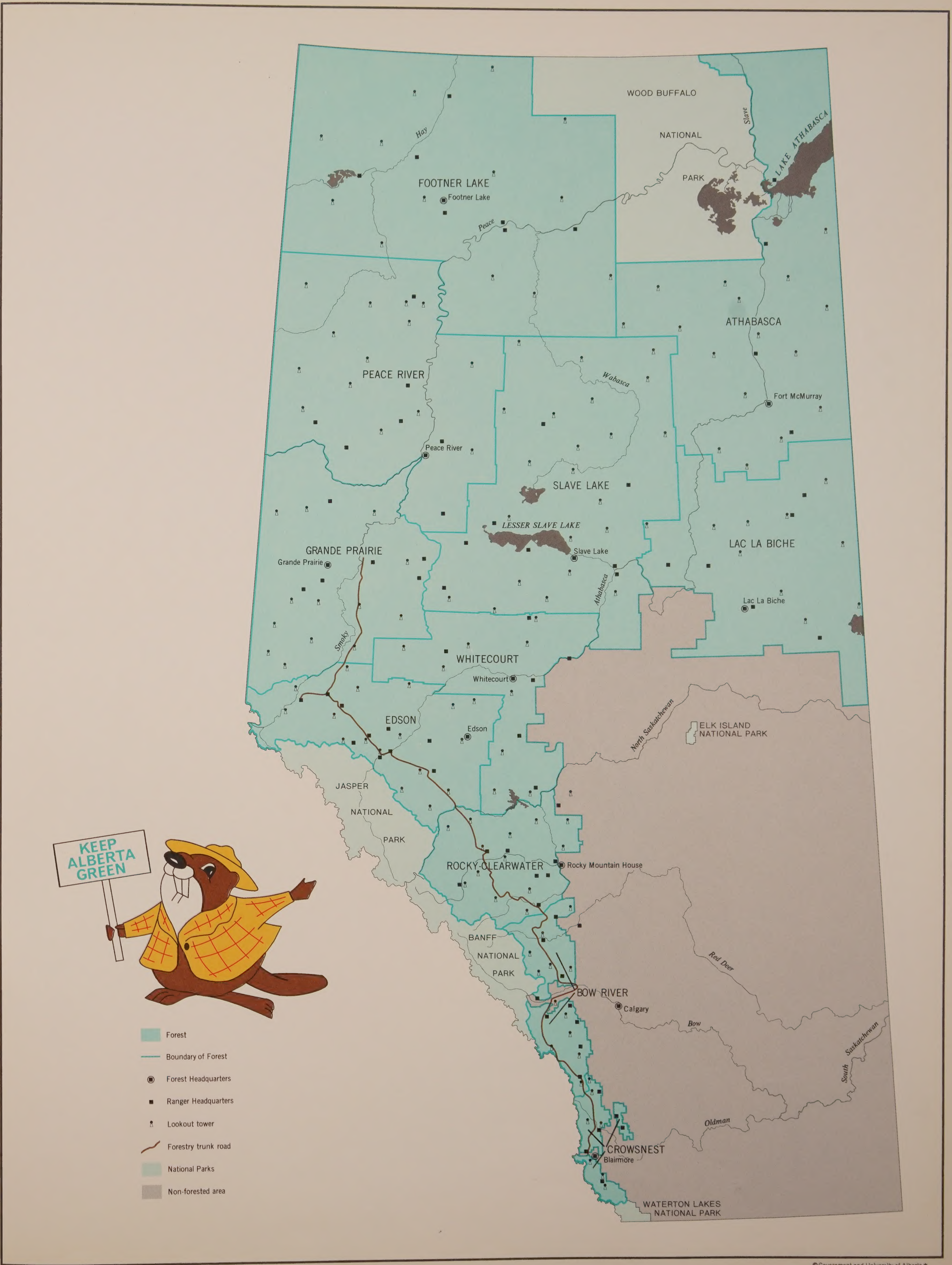


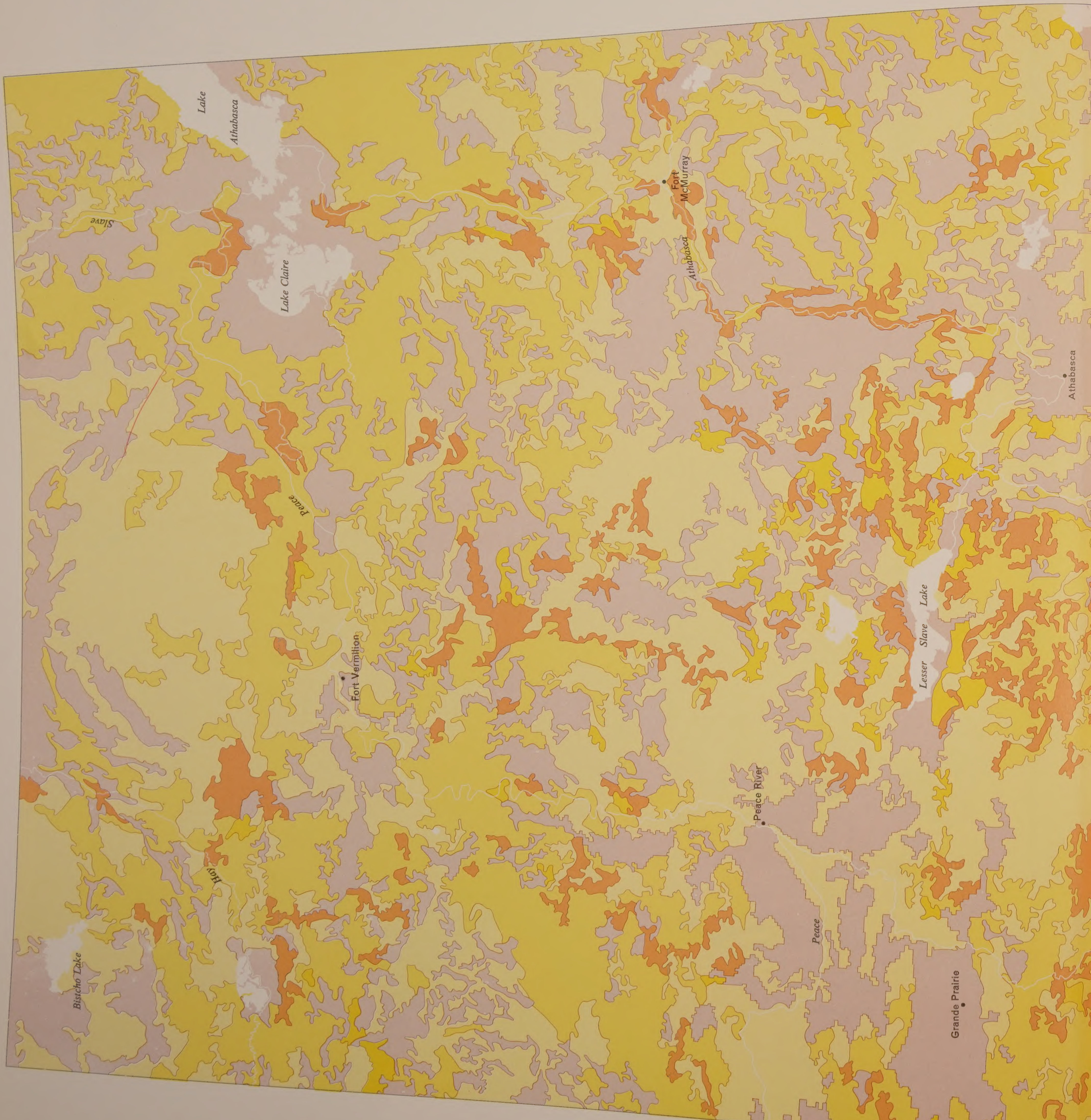

VALUE OF PRODUCTION
$ '000
400
200
100
50
10
Farms producing eggs
%
0
8
16
24
32
40
48
Non-agricultural area

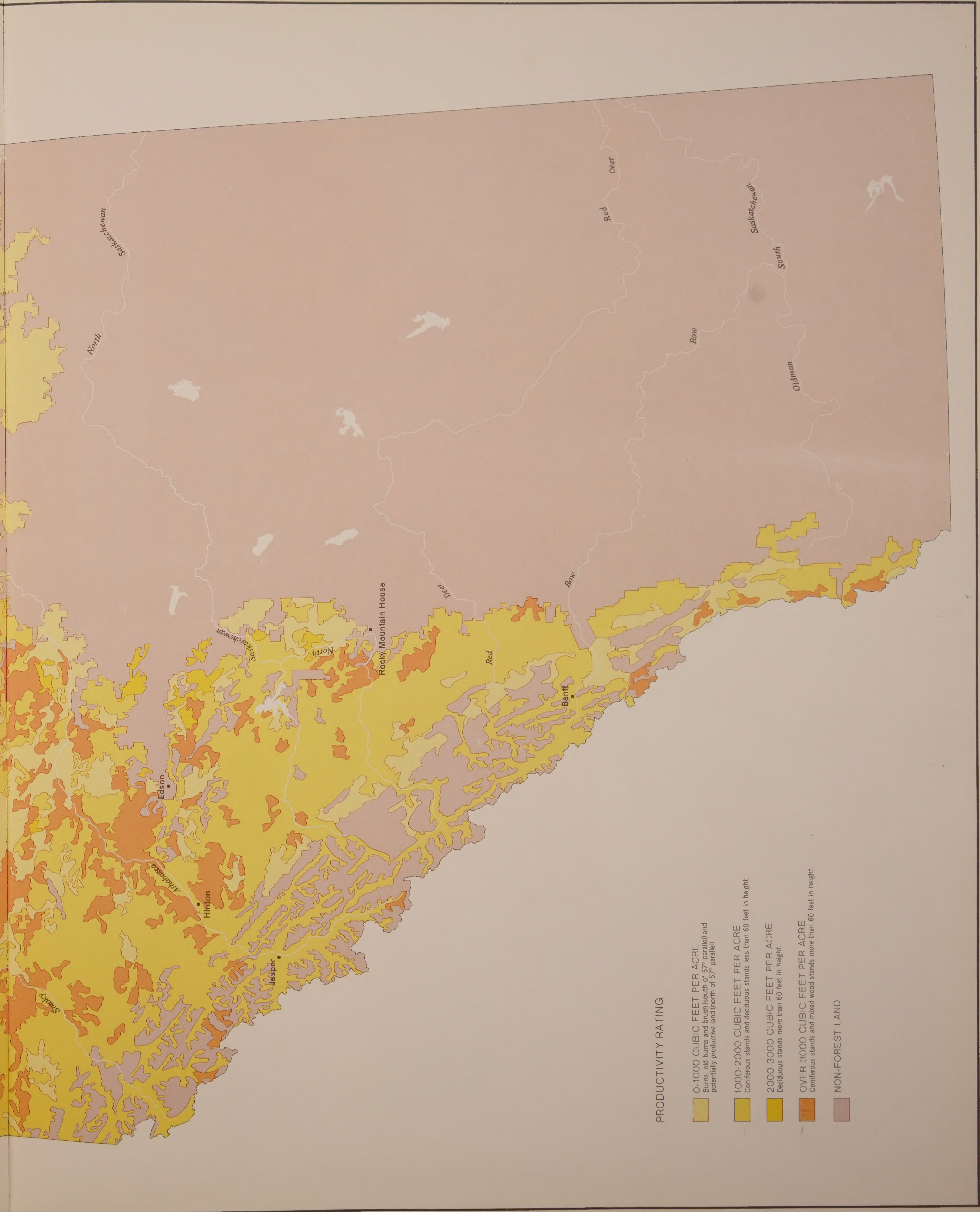
EGG PRODUCTION

AGRICULTURAL SERVICES AND LAND AVAILABILITY

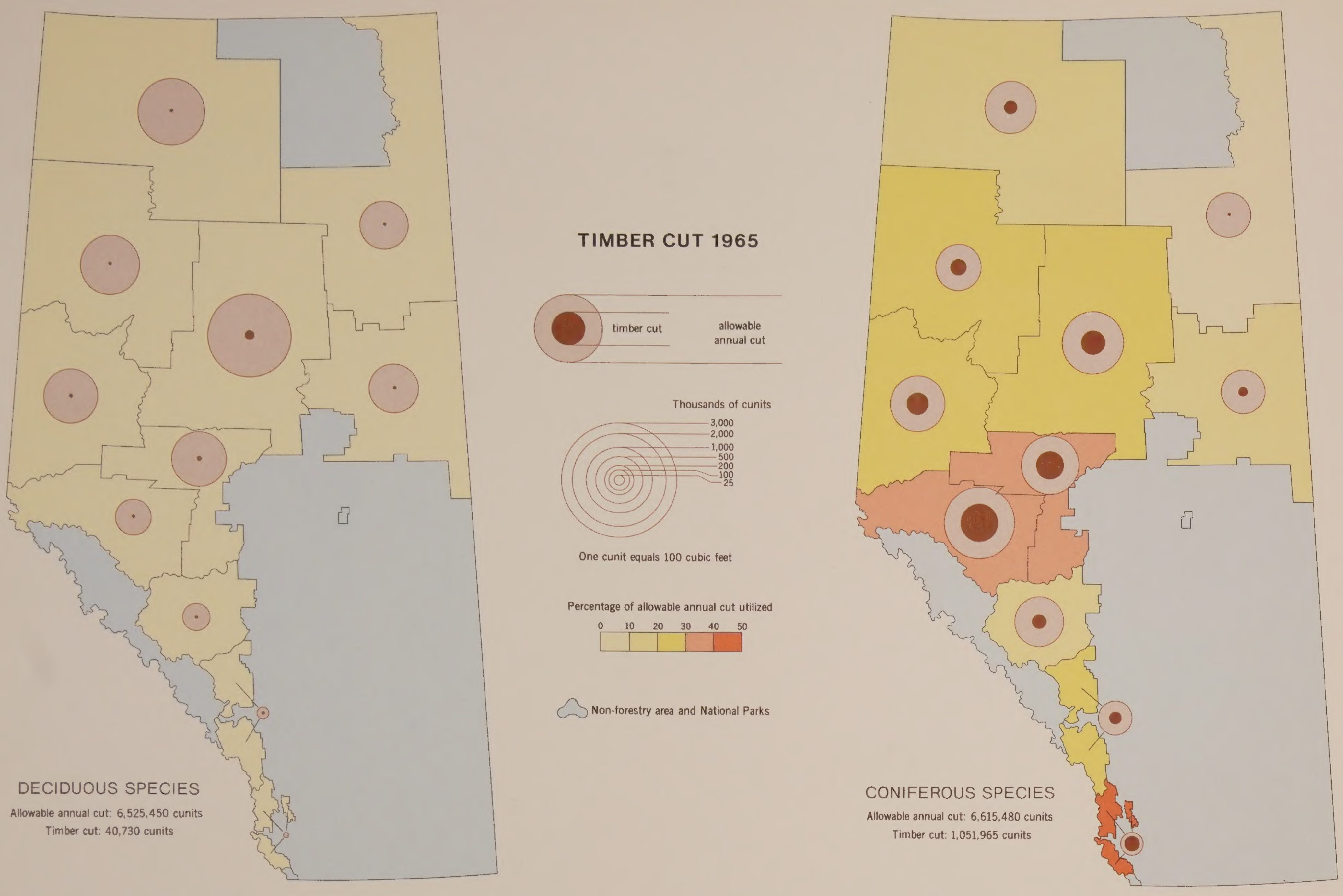

Fort Vermilion
Peace River
Grimshaw
Fairview
Berwyn
Bonanza
Spirit River
High Prairie
Beaverlodge
Grande Prairie
Athabasca
Lac La Biche
Bonnyville
Westlock
Barrhead
Thorhild
Smoky Lake
St. Paul
Mayerthorpe
Sangudo
Morinville
Lamont
Two Hills
St. Albert
Ft. Saskatchewan
Edson
Evansburg
Stony Plain
Edmonton
Vegreville
Vermilion
Lloydminster
Leduc
Ryley
Thorsby
Camrose
Westerose
Wetaskiwin
Daysland
Wainwright
Sedgewick
Ponoka
Rimbey
Lacombe
Eckville
Stettler
Provost
Rocky Mountain House
Red Deer
Spruce View
Coronation
Innisfail
Olds
Trochu
Hanna
Carstairs
Acme
Drumheller
Crossfield
Strathmore
Calgary
Okotoks
High River
Brooks
Tilley
Vulcan
Nanton
Stavely
Vauxhall
Claresholm
Medicine Hat
Bow Island
Ft. McLeod
Lethbridge
Taber
Pincher Creek
Raymond
Manyberries
Cardston
Coutts
Areas in which vacant public lands are:
Available for all disposition under Public Lands Act except Homestead Sales
Available for all disposition under Public Lands Act including Homestead Sales
Withdrawn from settlement – Forest Lands
District Agriculturists Boundary
Office
Prairie Farm Rehabilitation Agency – Water Project Area Boundary
Office
Federal Government Agriculture Research Stations and Substations
Veterinarian Services:
With clinic
Without clinic


WOOD BUFFALO
NATIONAL
PARK
Slave
LAKE ATHABASCA
Hay
FOOTNER LAKE
Footner Lake
Peace
ATHABASCA
Fort McMurray
PEACE RIVER
Wabasca
Peace River
SLAVE LAKE
LESSER SLAVE LAKE
Slave Lake
LAC LA BICHE
Lac La Biche
GRANDE PRAIRIE
Grande Prairie
Athabasca
Smoky
WHITECOURT
Whitecourt
EDSON
Edson
North Saskatchewan
ELK ISLAND NATIONAL PARK
JASPER
NATIONAL
PARK
ROCKY-CLEARWATER
Rocky Mountain House
BANFF
NATIONAL
PARK
Red Deer
BOW RIVER
Calgary
Bow
South Saskatchewan
Oldman
CROWSNEST
Blairmore
WATERTON LAKES
NATIONAL PARK
KEEP ALBERTA GREEN
Forest
Boundary of Forest
Forest Headquarters
Ranger Headquarters
Lookout tower
Forestry trunk road
National Parks
Non-forested area


Lake Athabasca
Slave
Lake Claire
Fort McMurray
Athabasca
Athabasca
Peace
Fort Vermilion
Lesser Slave Lake
Peace River
Hay
Bistcho Lake
Peace
Grande Prairie


North
Saskatchewan
Red
Deer
Saskatchewan
South
Bow
Oldman
Rocky Mountain House
North
Saskatchewan
Deer
Red
Bow
Banff
Edson
Athabasca
Hinton
Jasper
Smoky
PRODUCTIVITY RATING
0-1000 CUBIC FEET PER ACRE
Burns, old burns and brush (south of 57° parallel) and potentially productive land (north of 57° parallel)
1000-2000 CUBIC FEET PER ACRE
Coniferous stands and deciduous stands less than 60 feet in height.
2000-3000 CUBIC FEET PER ACRE
Deciduous stands more than 60 feet in height.
OVER 3000 CUBIC FEET PER ACRE
Coniferous stands and mixed wood stands more than 60 feet in height.
NON-FOREST LAND

TIMBER CUT 1965


timber cut
allowable annual cut
Thousands of cunits
3,000
2,000
1,000
500
200
100
25
One cunit equals 100 cubic feet
Percentage of allowable annual cut utilized
0
10
20
30
40
50
Non-forestry area and National Parks

DECIDUOUS SPECIES

Allowable annual cut: 6,525,450 cunits

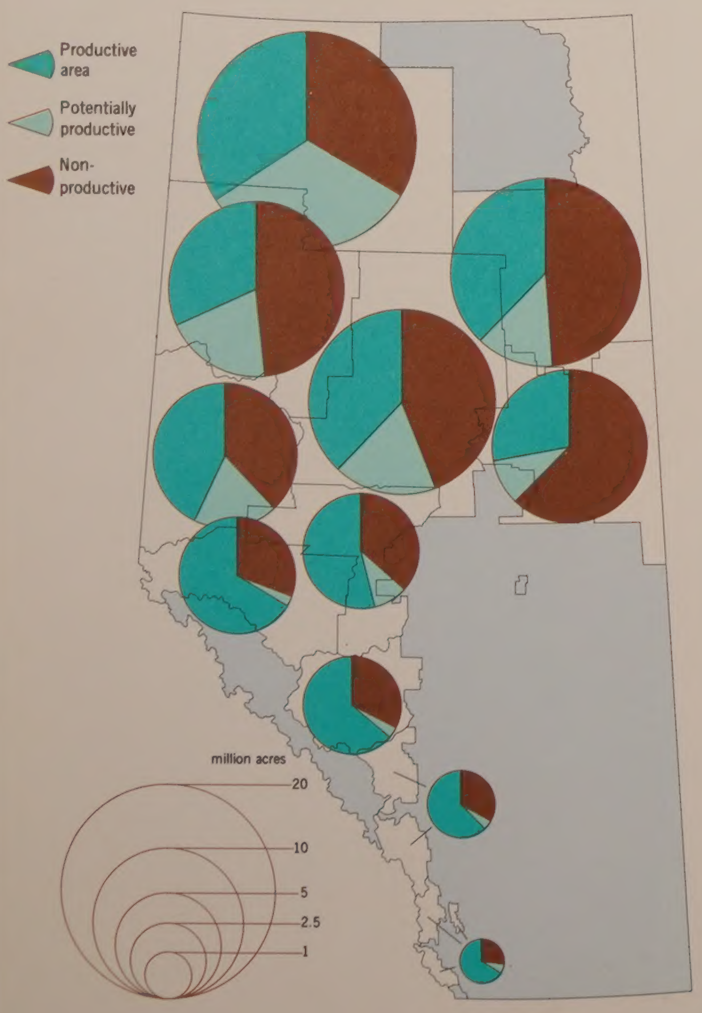
Timber cut: 40,730 cunits

CONIFEROUS SPECIES

Allowable annual cut: 6,615,480 cunits

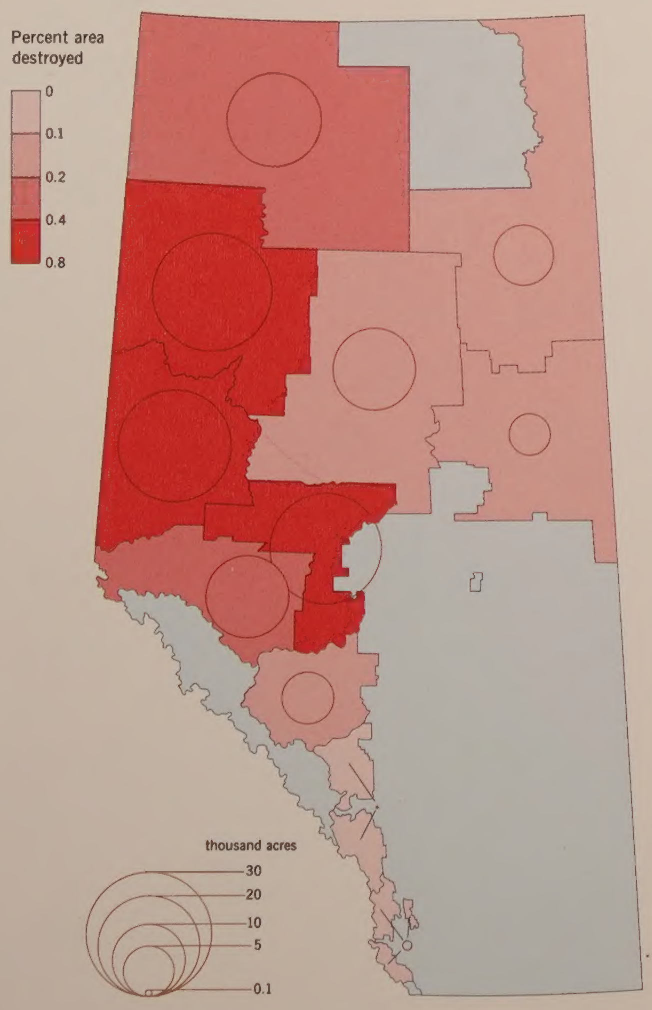
Timber cut: 1,051,965 cunits

PRODUCTIVE LAND

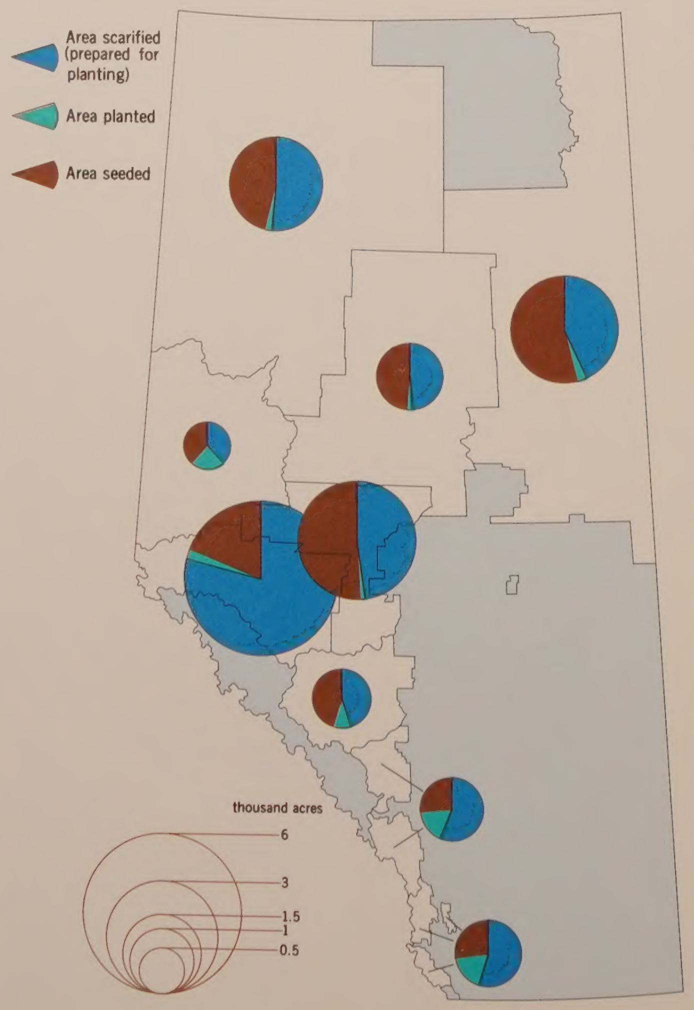

Productive area
Potentially productive
Non-productive
million acres
20
10
5
2.5
1

FIRE LOSS

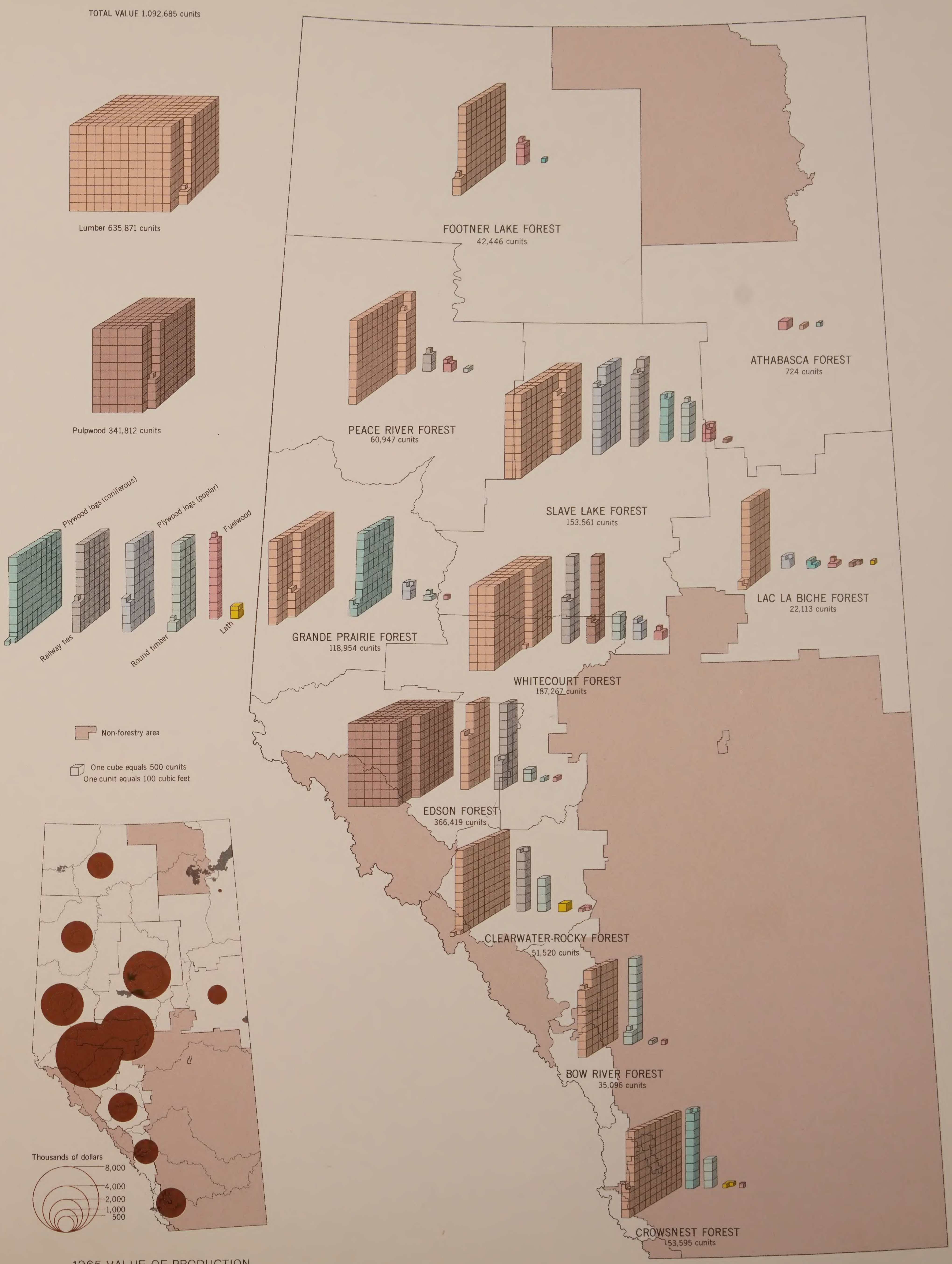
(Average of 1956-1965)


Percent area destroyed
0
0.1
0.2
0.4
0.8
thousand acres
30
20
10
5
0.1

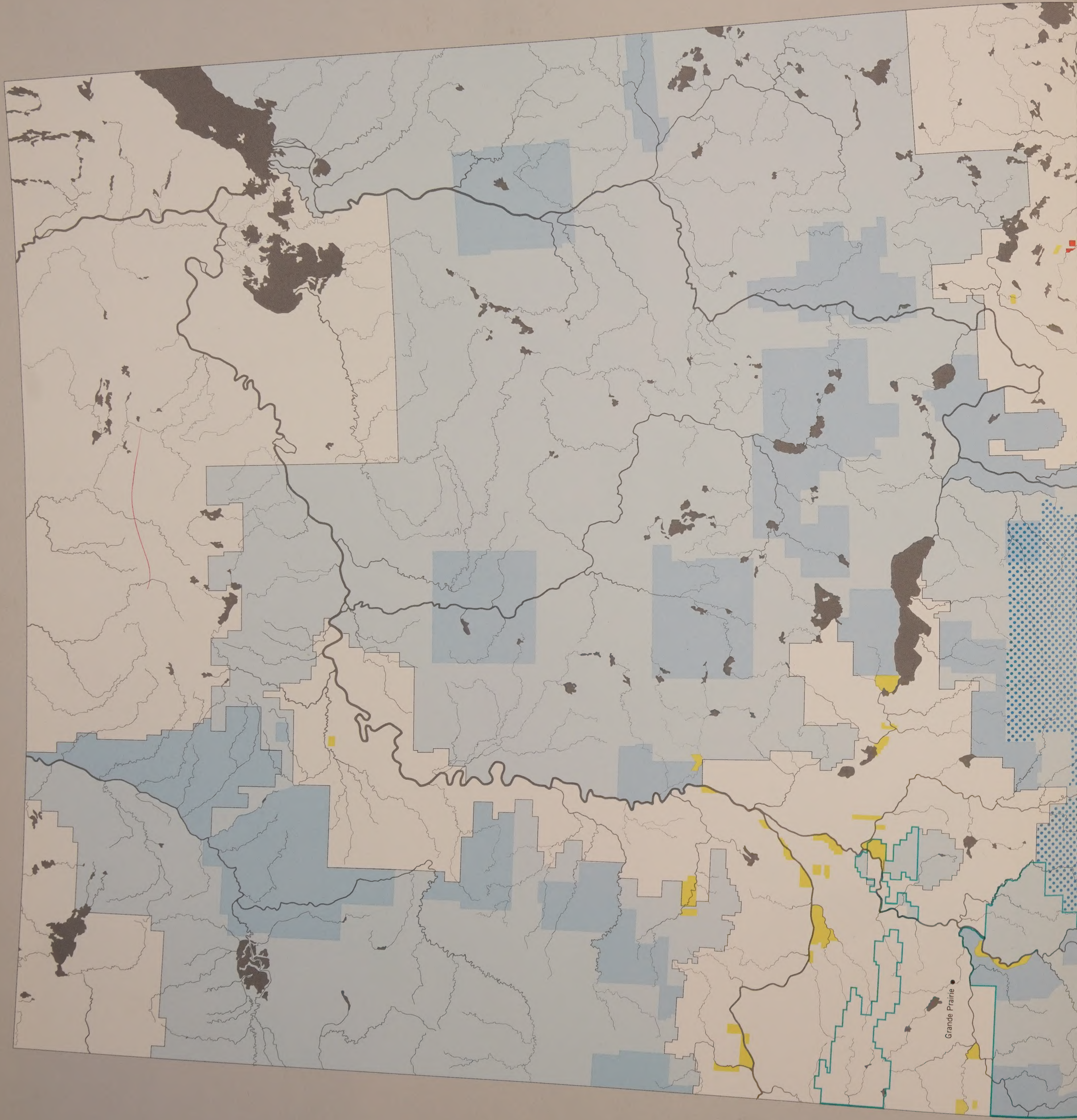
REFORESTATION 1965

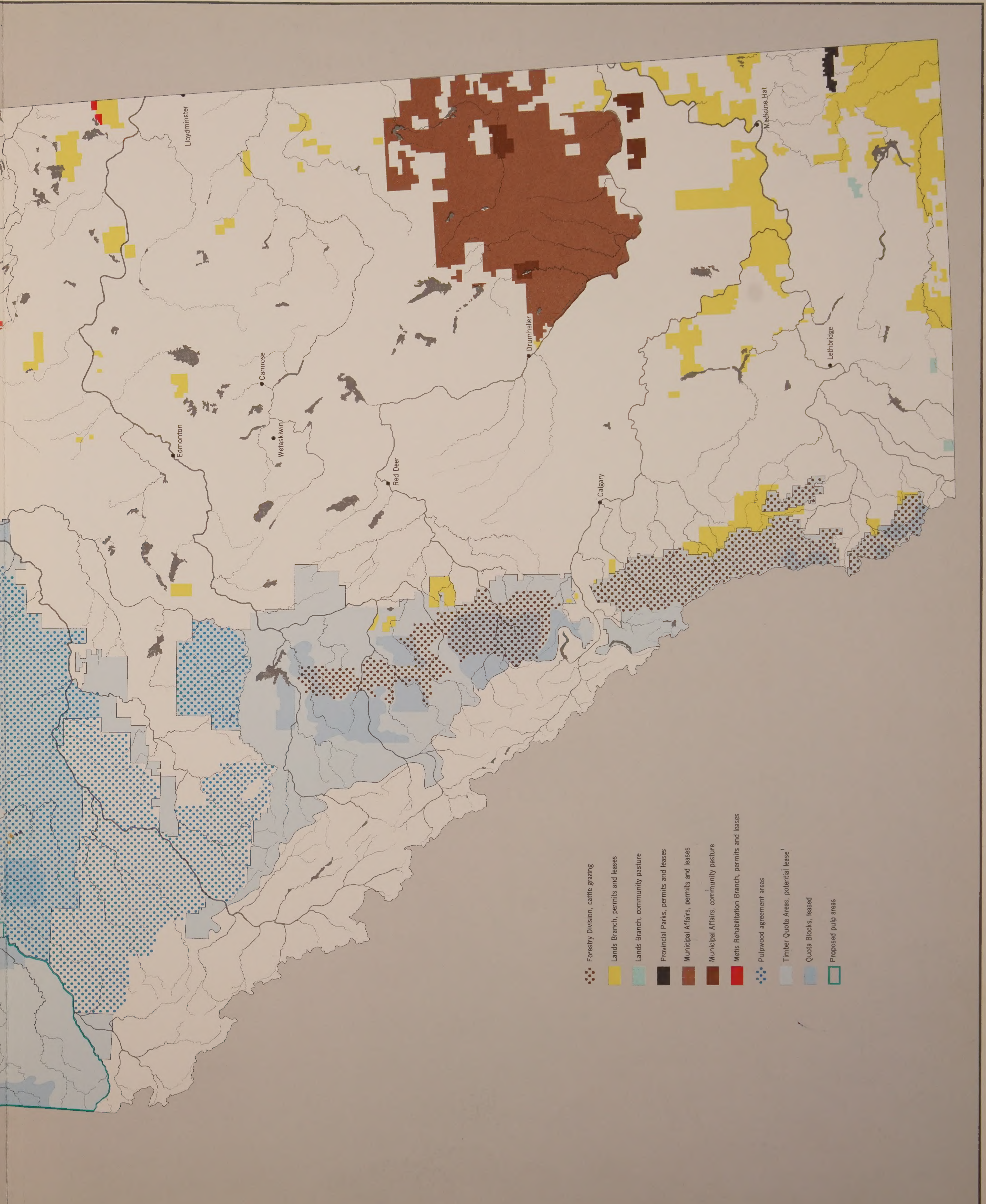

Area scarified (prepared for planting)
Area planted
Area seeded
thousand acres
6
3
1.5
1
0.5

Non-forestry area and National Parks

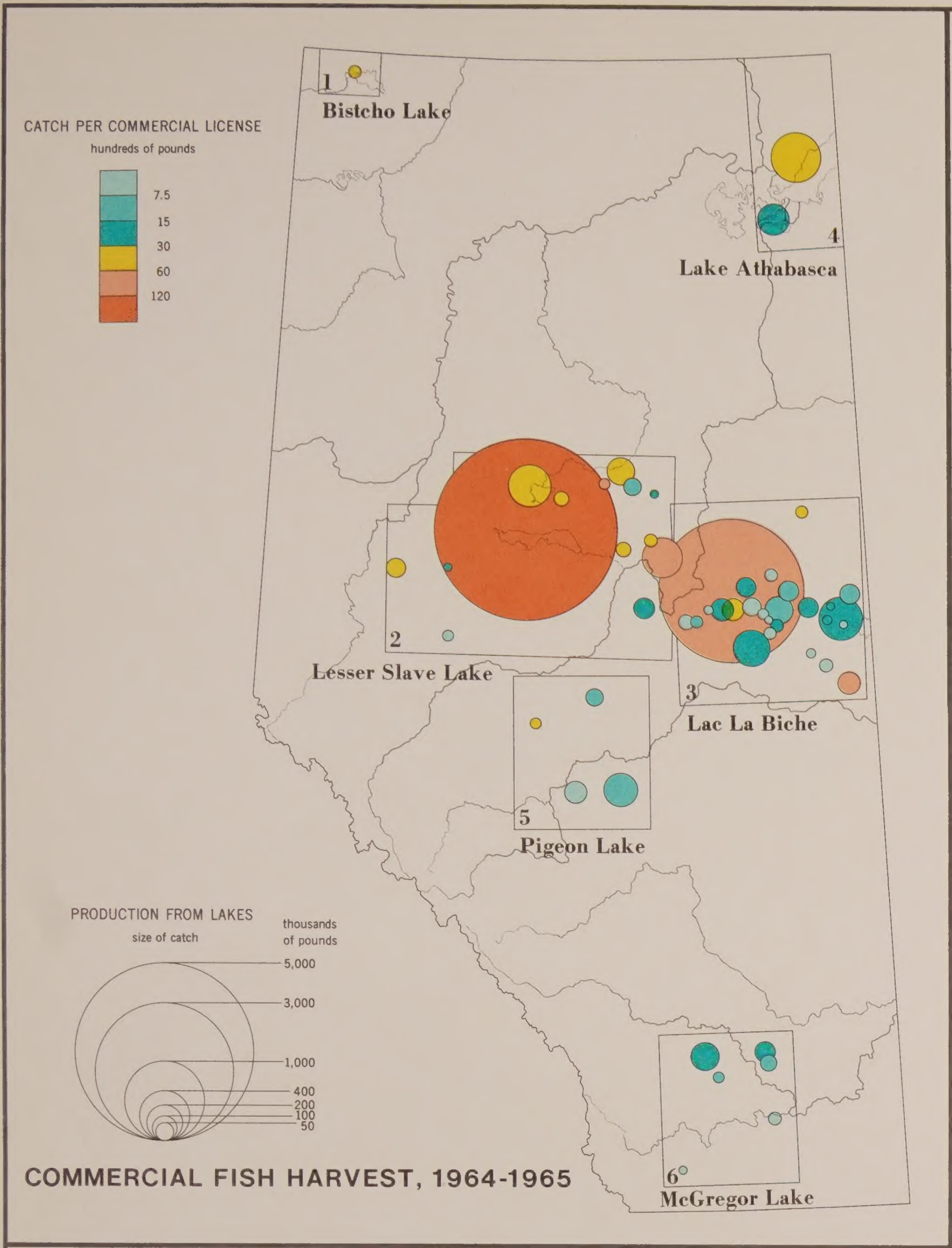

TOTAL VALUE 1,092,685 cunits
Lumber 635,871 cunits
Pulpwood 341,812 cunits
Plywood logs (coniferous)
Railway ties
Plywood logs (poplar)
Round timber
Fuelwood
Lath
Non-forestry area
One cube equals 500 cunits
One cunit equals 100 cubic feet
FOOTNER LAKE FOREST
42,446 cunits
ATHABASCA FOREST
724 cunits
PEACE RIVER FOREST
60,947 cunits
SLAVE LAKE FOREST
153,561 cunits
LAC LA BICHE FOREST
22,113 cunits
GRANDE PRAIRIE FOREST
118,954 cunits
WHITECOURT FOREST
187,267 cunits
EDSON FOREST
366,419 cunits
CLEARWATER-ROCKY FOREST
51,520 cunits
BOW RIVER FOREST
35,096 cunits
CROWSNEST FOREST
53,595 cunits
Thousands of dollars
8,000
4,000
2,000
1,000
500

1965 VALUE OF PRODUCTION

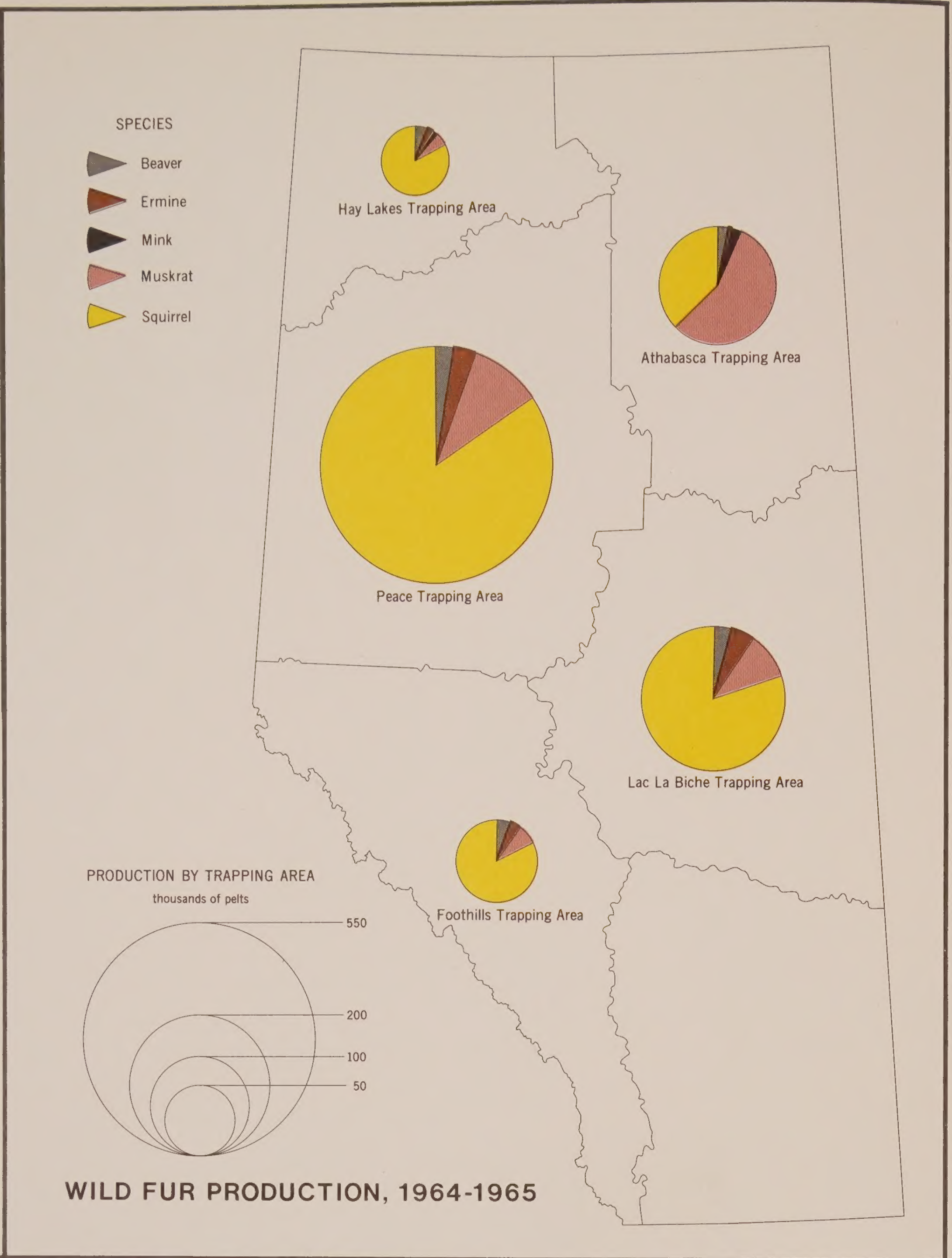

Grande Prairie


Lloydminster
Medicine Hat
Drumheller
Camrose
Wetaskiwin
Edmonton
Red Deer
Calgary
Lethbridge
Forestry Division, cattle grazing
Lands Branch, permits and leases
Lands Branch, community pasture
Provincial Parks, permits and leases
Municipal Affairs, permits and leases
Municipal Affairs, community pasture
Metis Rehabilitation Branch, permits and leases
Pulpwood agreement areas
Timber Quota Areas, potential lease¹
Quota Blocks, leased
Proposed pulp areas

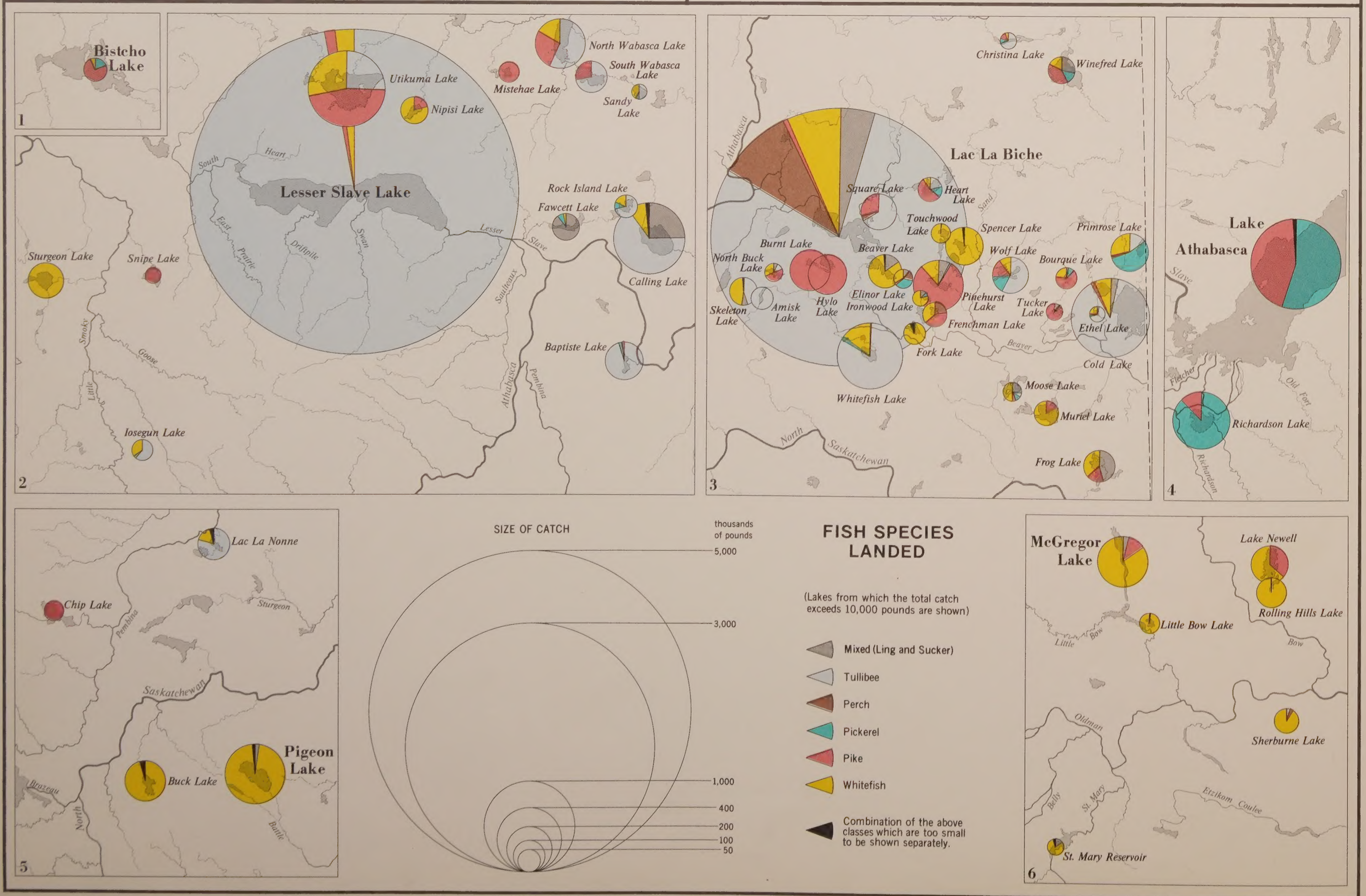
COMMERCIAL FISHING AND TRAPPING


CATCH PER COMMERCIAL LICENSE
hundreds of pounds
7.5
15
30
60
120
1
Bistcho Lake
4
Lake Athabasca
2
Lesser Slave Lake
3
Lac La Biche
5
Pigeon Lake
6
McGregor Lake
PRODUCTION FROM LAKES
size of catch
thousands of pounds
5,000
3,000
1,000
400
200
100
50

COMMERCIAL FISH HARVEST, 1964-1965

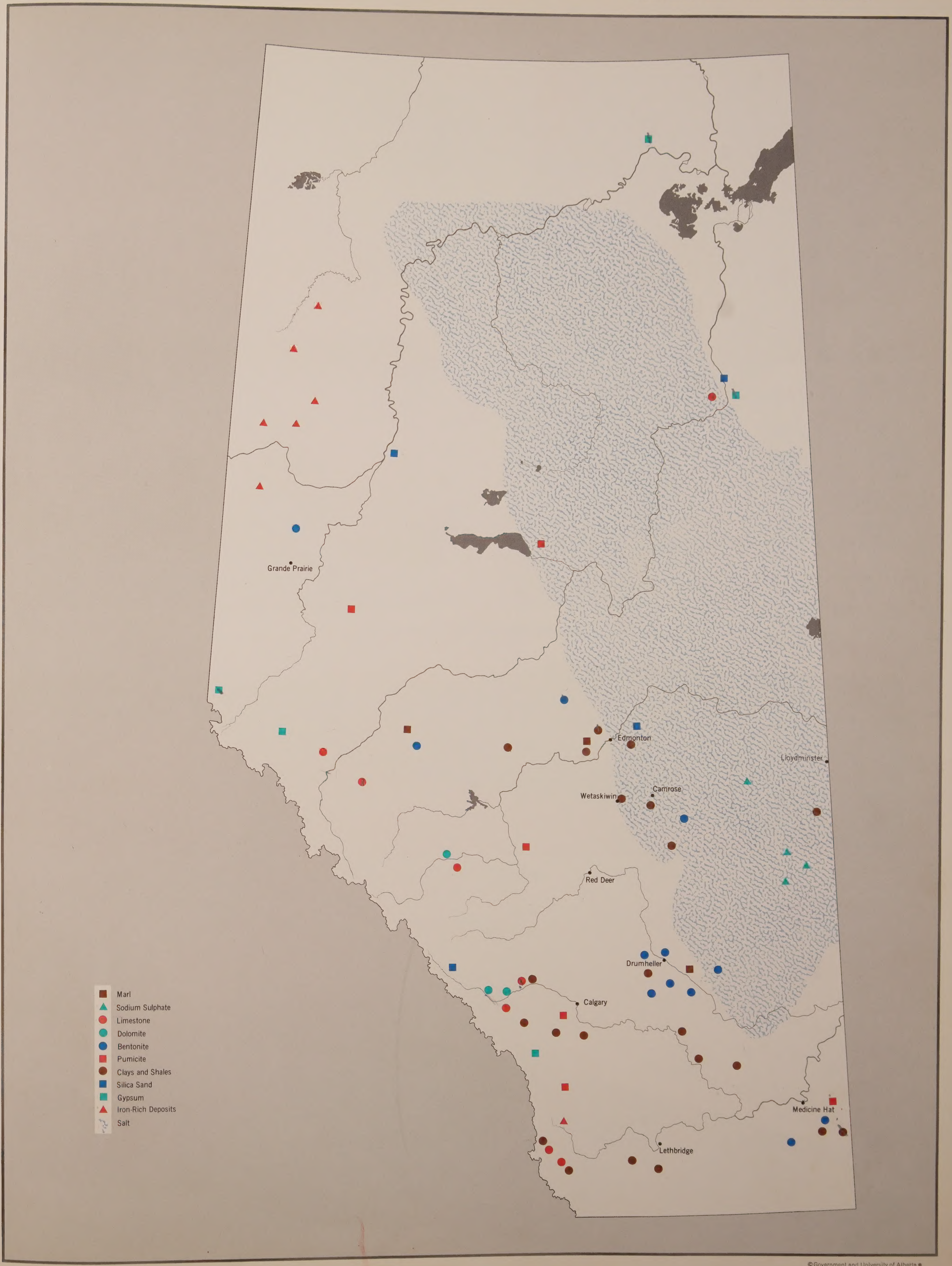

SPECIES
Beaver
Ermine
Mink
Muskrat
Squirrel
Hay Lakes Trapping Area
Athabasca Trapping Area
Peace Trapping Area
Lac La Biche Trapping Area
Foothills Trapping Area
PRODUCTION BY TRAPPING AREA
thousands of pelts
550
200
100
50

WILD FUR PRODUCTION, 1964-1965

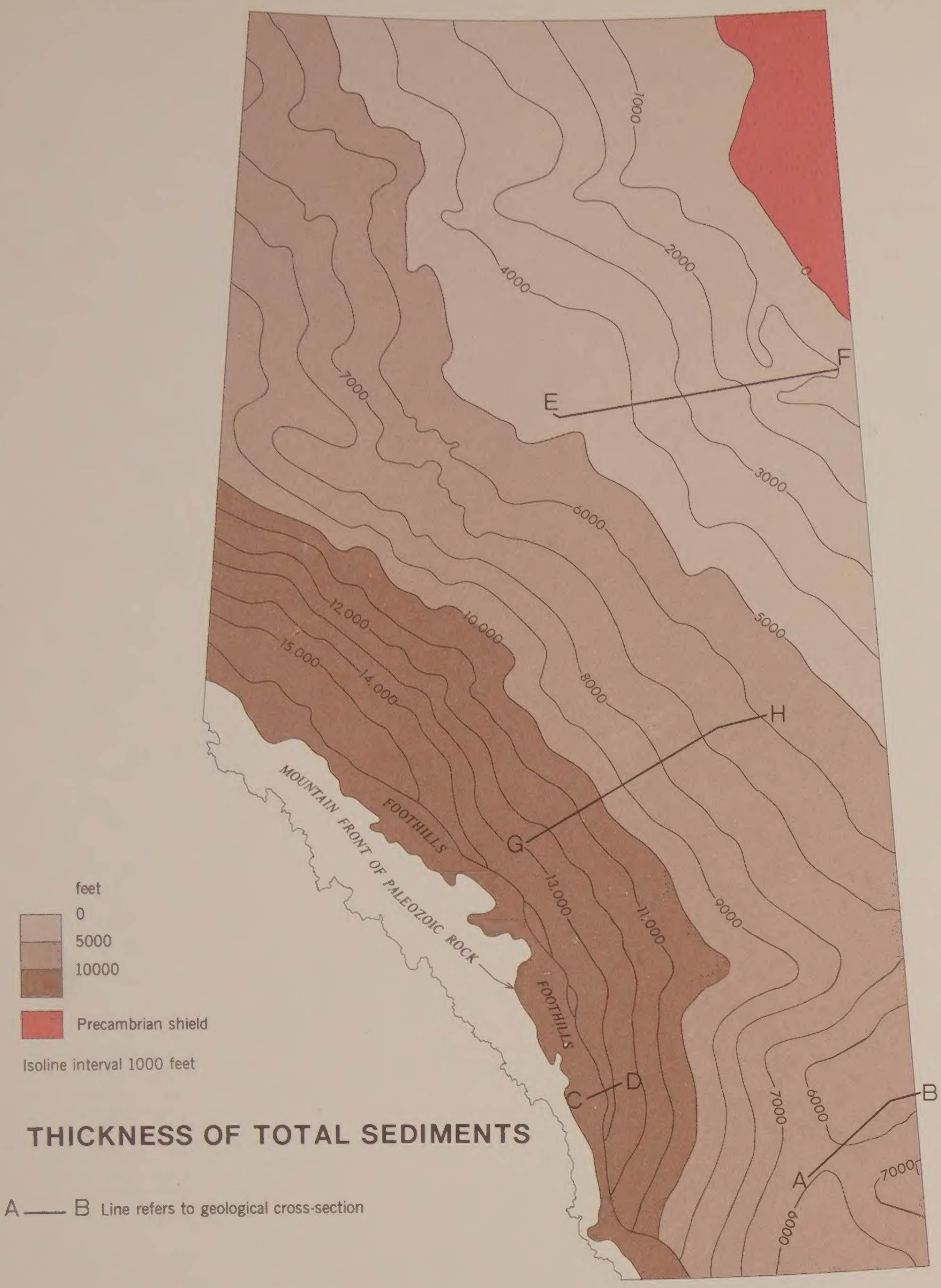

Bistcho Lake
1
Utikuma Lake
Nipisi Lake
Lesser Slave Lake
Mistehae Lake
North Wabasca Lake
South Wabasca Lake
Sandy Lake
Rock Island Lake
Fawcett Lake
Calling Lake
Baptiste Lake
Sturgeon Lake
Snipe Lake
Iosegun Lake
South
Heart
East
Prairie
Driftpile
Swan
Lesser
Slave
Smoky
Goose
Little
Southbound
Athabasca
Pembina
2
Christina Lake
Winefred Lake
Lac La Biche
Square Lake
Heart Lake
Touchwood Lake
Spencer Lake
Primrose Lake
Burnt Lake
Beaver Lake
Wolf Lake
Bourque Lake
North Buck Lake
Skeleton Lake
Amisk Lake
Hylo Lake
Elinor Lake
Ironwood Lake
Pinehurst Lake
Tucker Lake
Frenchman Lake
Ethel Lake
Fork Lake
Cold Lake
Whitefish Lake
Moose Lake
Muriel Lake
Frog Lake
Athabasca
Sand
Beaver
North
Saskatchewan
3
Lake Athabasca
Slave
Fletcher
Old Fort
Richardson Lake
Richardson
4
Lac La Nonne
Chip Lake
Sturgeon
Pembina
Saskatchewan
Buck Lake
Pigeon Lake
Brazeau
North
Battle
5
SIZE OF CATCH
thousands of pounds
5,000
3,000
1,000
400
200
100
50
Mixed (Ling and Sucker)
Tullibee
Perch
Pickerel
Pike
Whitefish
Combination of the above classes which are too small to be shown separately.
McGregor Lake
Lake Newell
Rolling Hills Lake
Little Bow Lake
Little
Bow
Bow
Oldman
Sherburne Lake
Belly
St. Mary
Etzikom Coulee
St. Mary Reservoir
6

FISH SPECIES LANDED

(Lakes from which the total catch exceeds 10,000 pounds are shown)


Grande Prairie
Edmonton
Lloydminster
Camrose
Wetaskiwin
Red Deer
Drumheller
Calgary
Medicine Hat
Lethbridge
Marl
Sodium Sulphate
Limestone
Dolomite
Bentonite
Pumicite
Clays and Shales
Silica Sand
Gypsum
Iron-Rich Deposits
Salt

OIL AND GAS OCCURRENCE


1000
2000
0
4000
7000
E
F
3000
6000
12,000
10,000
15,000
14,000
5000
8000
H
MOUNTAIN FRONT OF PALEOZOIC ROCK
FOOTHILLS
G
13,000
11,000
9000
FOOTHILLS
C
D
7000
6000
B
A
7000
6000
feet
0
5000
10000
Precambrian shield
Isoline interval 1000 feet

THICKNESS OF TOTAL SEDIMENTS

A —— B Line refers to geological cross-section

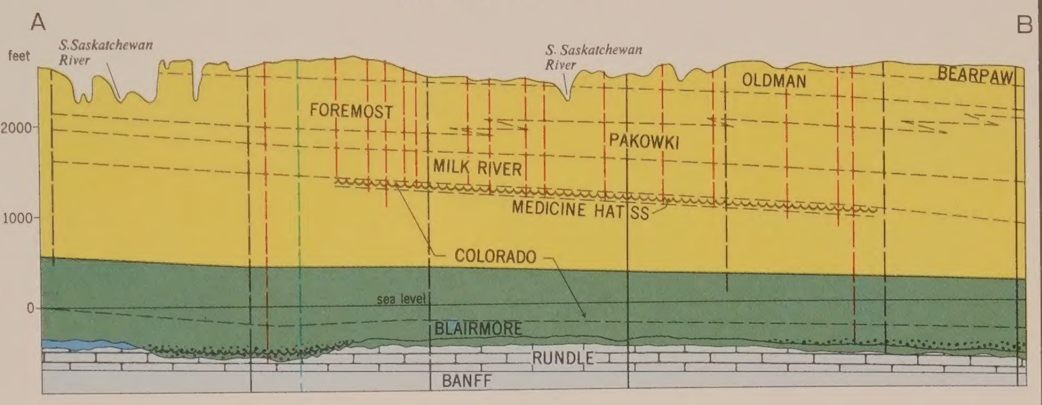
- 🟧 Tertiary
- 🟫 Upper Cretaceous and Tertiary
- 🟨 Upper Cretaceous
- 🟩 Jurassic and Lower Cretaceous
- ⬜ Mississippian
- 🟦 Upper Devonian
- 🟦 Middle Devonian
- 🟦 Cambrian
- 🟥 Precambrian

- ▤ Limestone
- ▨ Dolomite
- ○ Salt
- ▒ Sand
- ■ Oil
- ≋ Gas
- / Fault

Projected wells	Wells on line of section	
╎	│	Dry hole
╎	│	Oil well
╎	│	Gas well

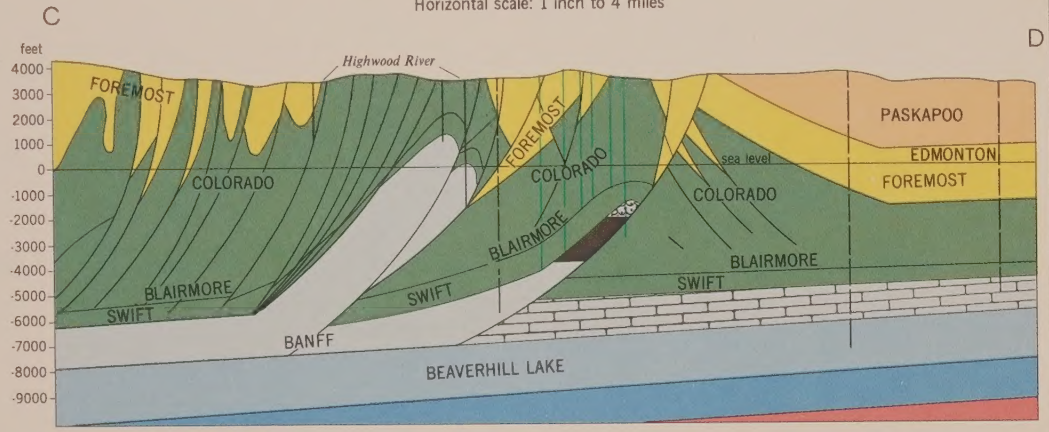
MEDICINE HAT

Horizontal scale: 1 inch to 16 miles


A
B
feet
S.Saskatchewan River
S. Saskatchewan River
2000
1000
0
FOREMOST
OLDMAN
BEARPAW
PAKOWKI
MILK RIVER
MEDICINE HAT SS
COLORADO
sea level
BLAIRMORE
RUNDLE
BANFF

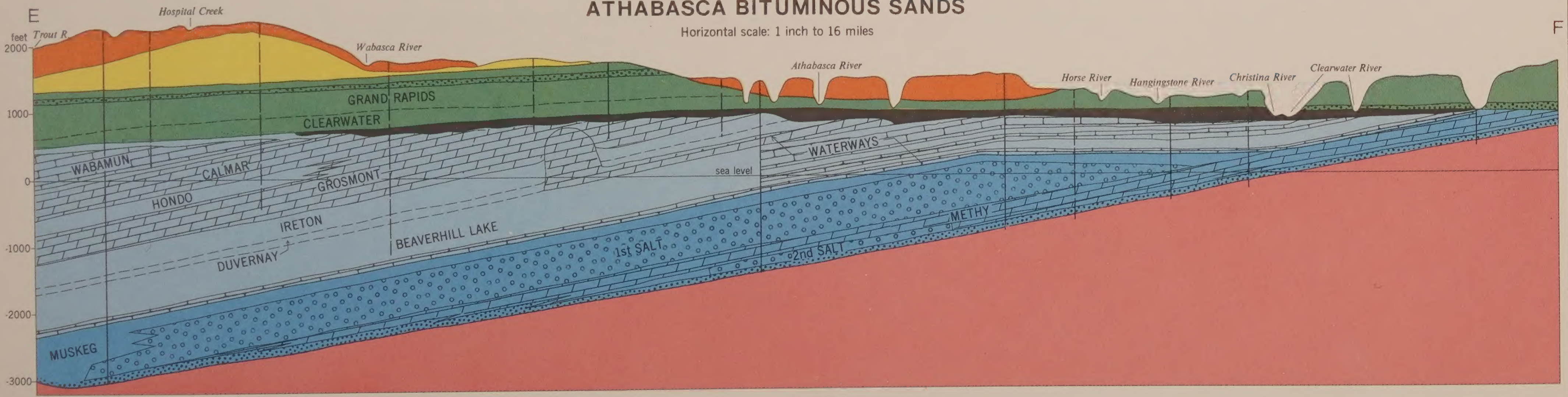
TURNER VALLEY

Horizontal scale: 1 inch to 4 miles


C
D
feet
4000
3000
2000
1000
0
-1000
-2000
-3000
-4000
-5000
-6000
-7000
-8000
-9000
Highwood River
FOREMOST
COLORADO
FOREMOST
COLORADO
sea level
PASKAPOO
EDMONTON
FOREMOST
COLORADO
BLAIRMORE
BLAIRMORE
SWIFT
SWIFT
BLAIRMORE
SWIFT
BANFF
BEAVERHILL LAKE

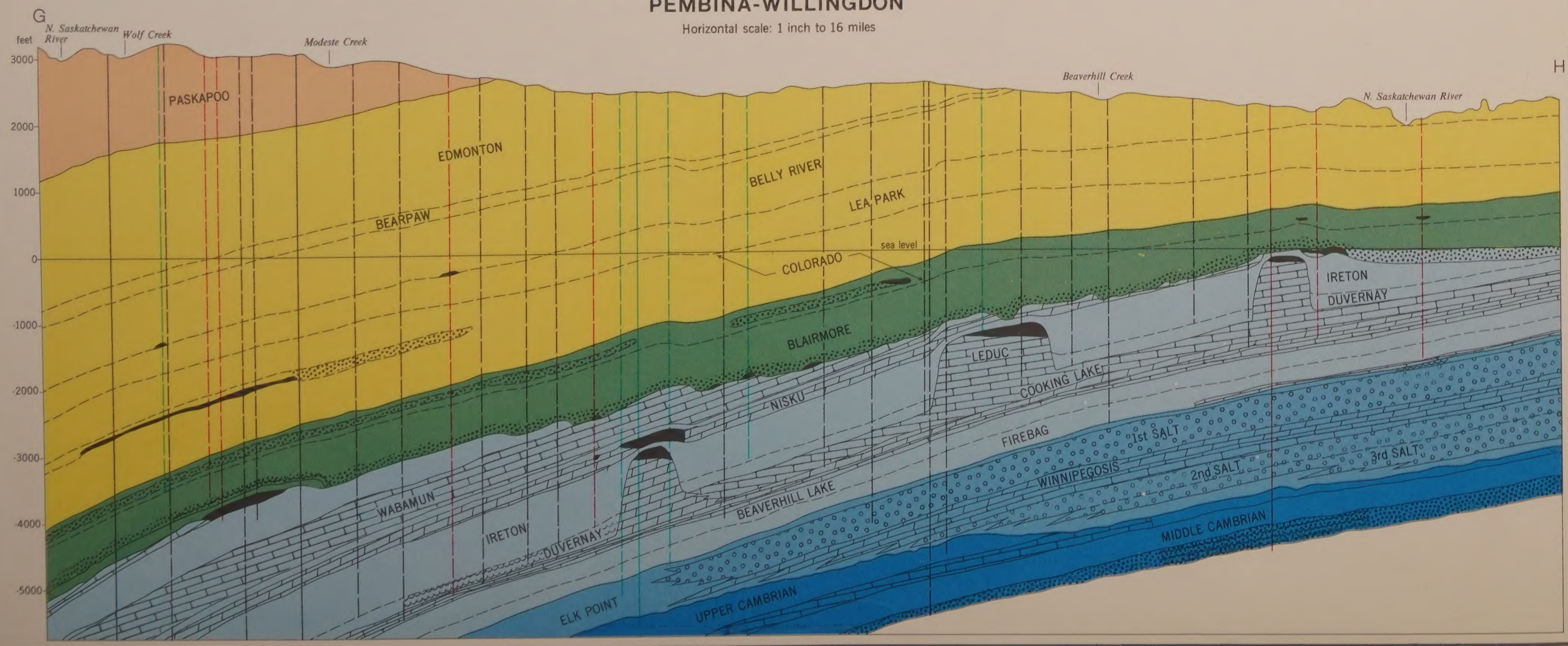
ATHABASCA BITUMINOUS SANDS

Horizontal scale: 1 inch to 16 miles

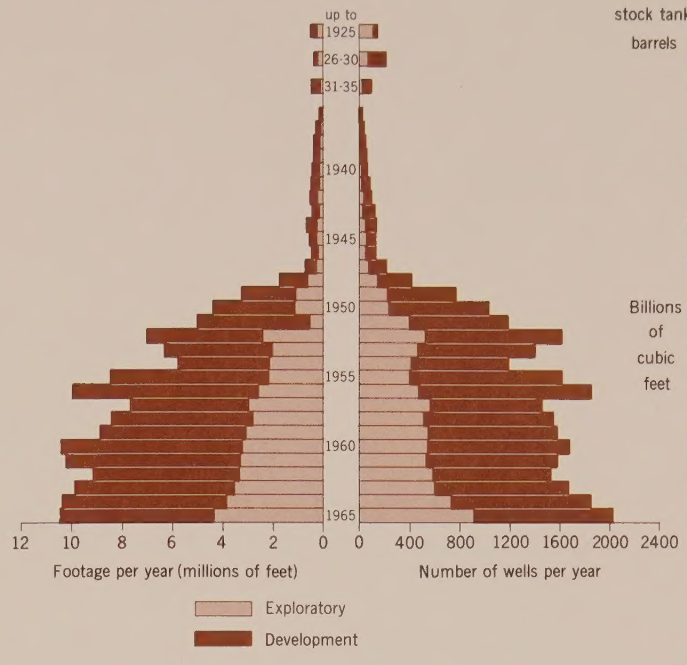

E
F
feet
2000
1000
0
-1000
-2000
-3000
Trout R.
Hospital Creek
Wabasca River
Athabasca River
Horse River
Hangingstone River
Christina River
Clearwater River
GRAND RAPIDS
CLEARWATER
WABAMUN
CALMAR
HONDO
GROSMONT
WATERWAYS
sea level
IRETON
DUVERNAY
BEAVERHILL LAKE
1st SALT
2nd SALT
METHY
MUSKEG

PEMBINA-WILLINGDON

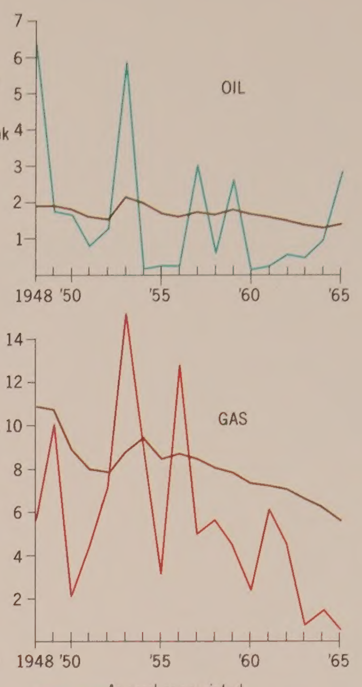
Horizontal scale: 1 inch to 16 miles


G
H
feet
3000
2000
1000
0
-1000
-2000
-3000
-4000
-5000
N. Saskatchewan River
Wolf Creek
Modeste Creek
Beaverhill Creek
N. Saskatchewan River
PASKAPOO
EDMONTON
BELLY RIVER
LEA PARK
BEARPAW
sea level
COLORADO
IRETON
DUVERNAY
BLAIRMORE
LEDUC
COOKING LAKE
NISKU
FIREBAG
1st SALT
2nd SALT
3rd SALT
WINNIPEGOSIS
WABAMUN
BEAVERHILL LAKE
IRETON
DUVERNAY
MIDDLE CAMBRIAN
ELK POINT
UPPER CAMBRIAN

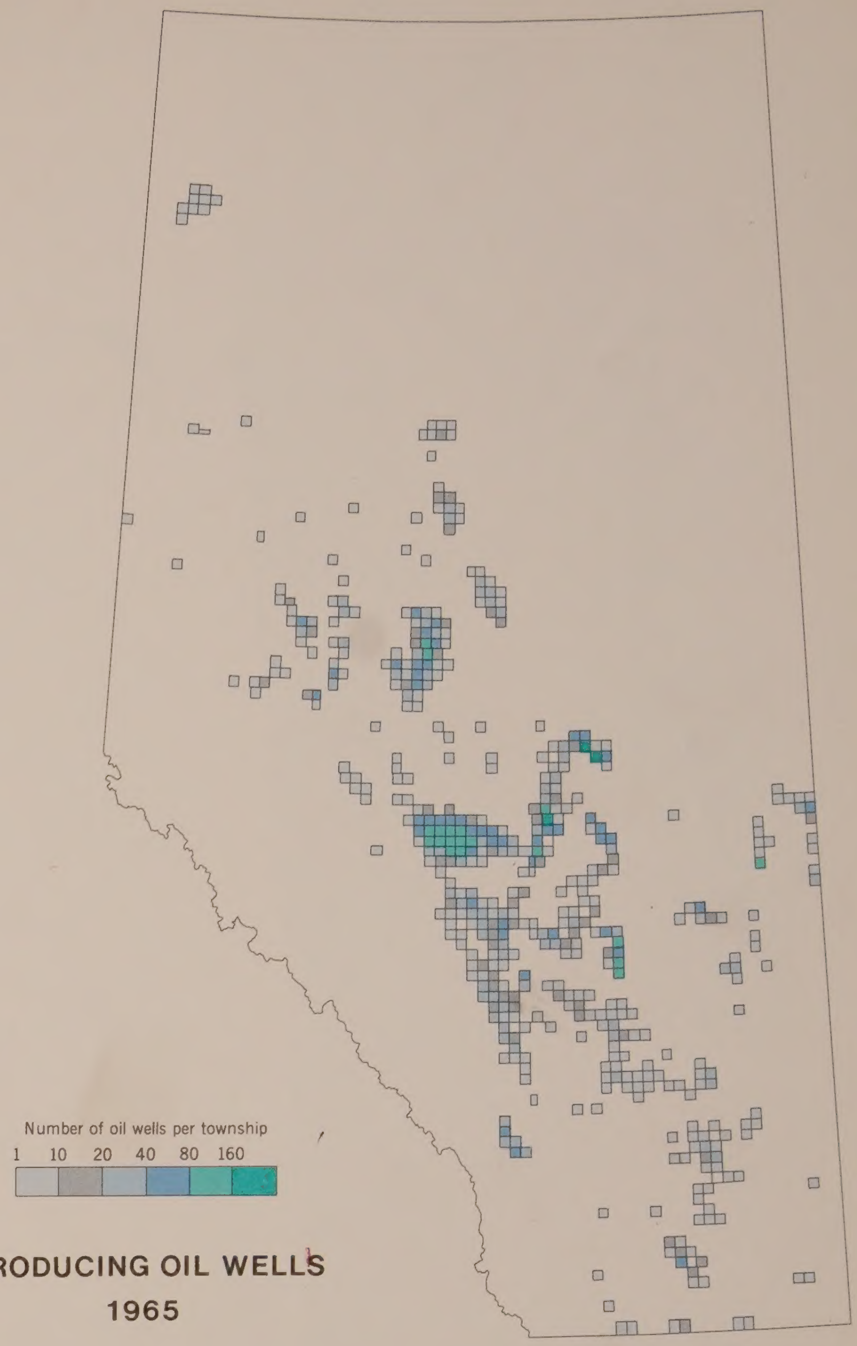
EXPLORATORY AND DEVELOPMENT DRILLING



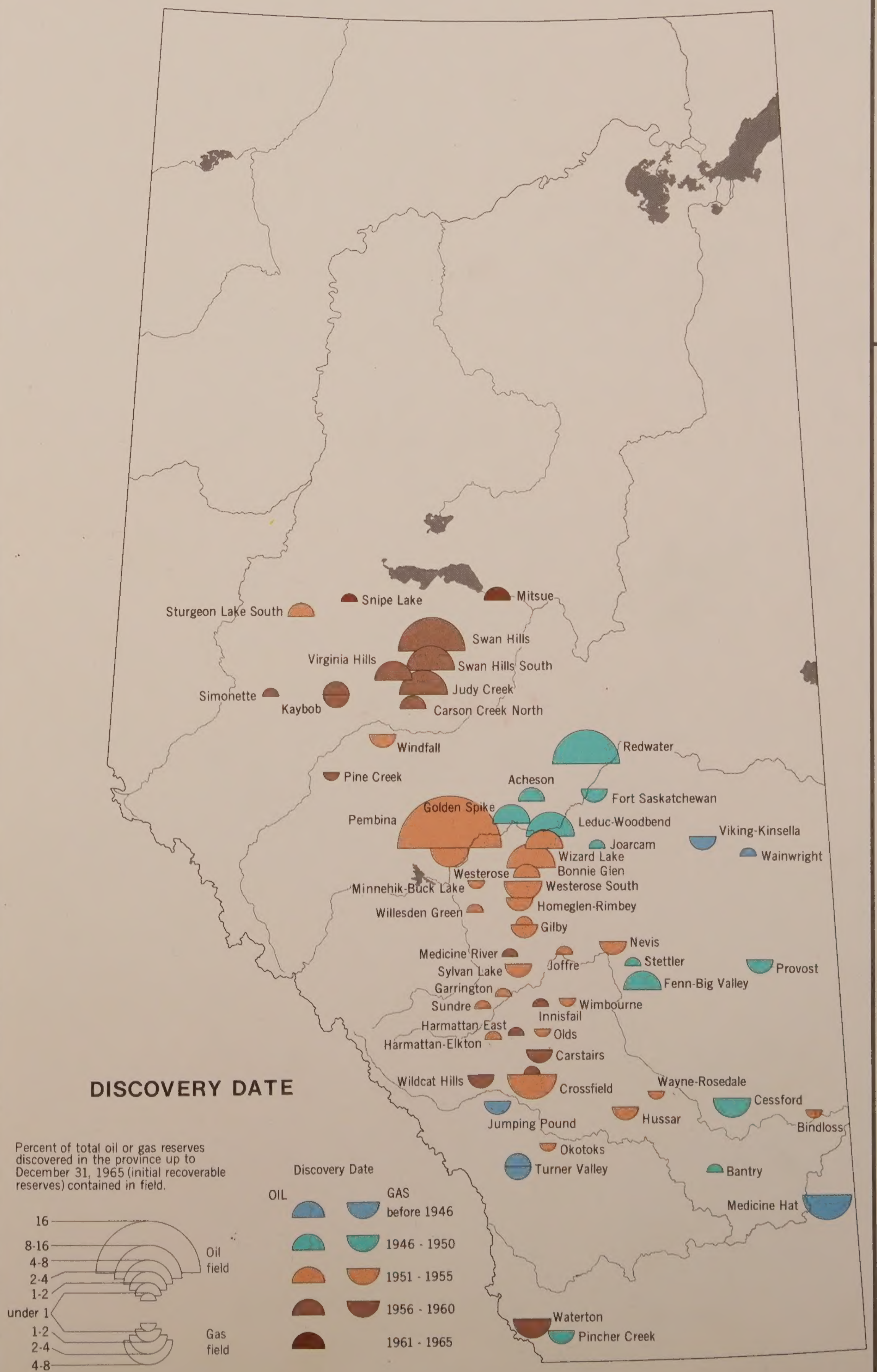
RESERVES PER EXPLORATORY WELL



—— ——Annual appreciated
Total new reserves discovered in a year divided by the number of exploratory wells drilled in that year
——Cumulative appreciated
The average annual new reserves per exploratory well for the period up to a year

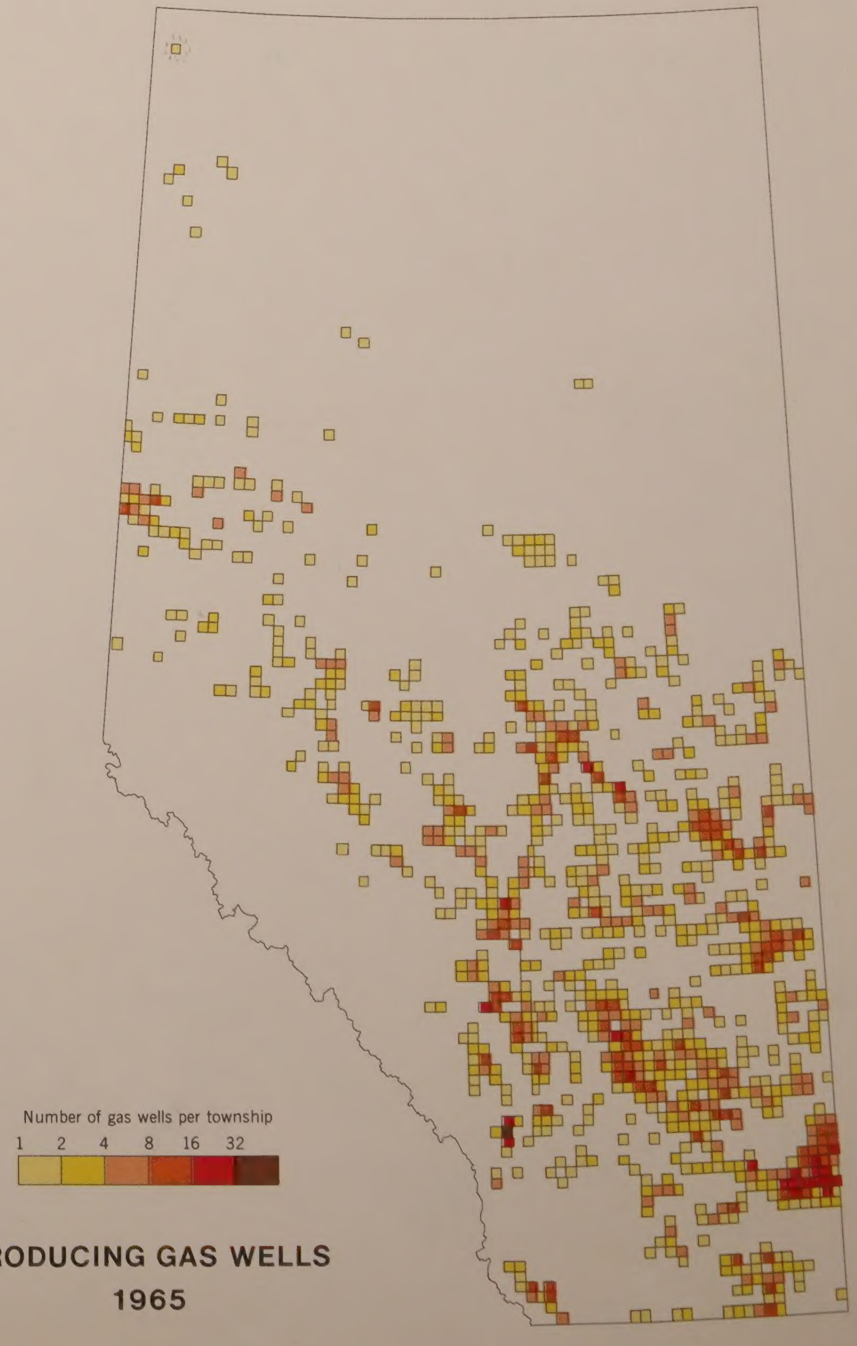

Number of oil wells per township
1
10
20
40
80
160

PRODUCING OIL WELLS 1965


Sturgeon Lake South
Snipe Lake
Mitsue
Swan Hills
Virginia Hills
Swan Hills South
Judy Creek
Simonette
Kaybob
Carson Creek North
Windfall
Redwater
Pine Creek
Acheson
Fort Saskatchewan
Golden Spike
Pembina
Leduc-Woodbend
Viking-Kinsella
Joarcam
Wainwright
Wizard Lake
Bonnie Glen
Westerose
Westerose South
Minnehik-Buck Lake
Homeglen-Rimbey
Willesden Green
Gilby
Nevis
Medicine River
Stettler
Joffre
Provost
Sylvan Lake
Fenn-Big Valley
Garrington
Sundre
Wimbourne
Innisfail
Harmattan East
Olds
Harmattan-Elkton
Carstairs
Wildcat Hills
Crossfield
Wayne-Rosedale
Cessford
Jumping Pound
Hussar
Bindloss
Okotoks
Turner Valley
Bantry
Medicine Hat
Waterton
Pincher Creek
16
8-16
4-8
2-4
1-2
under 1
1-2
2-4
4-8
Oil field
Gas field
Discovery Date
OIL
GAS
before 1946
1946 - 1950
1951 - 1955
1956 - 1960
1961 - 1965

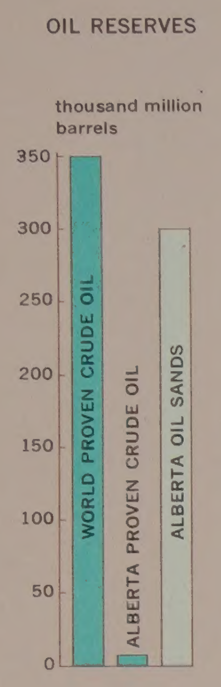
DISCOVERY DATE

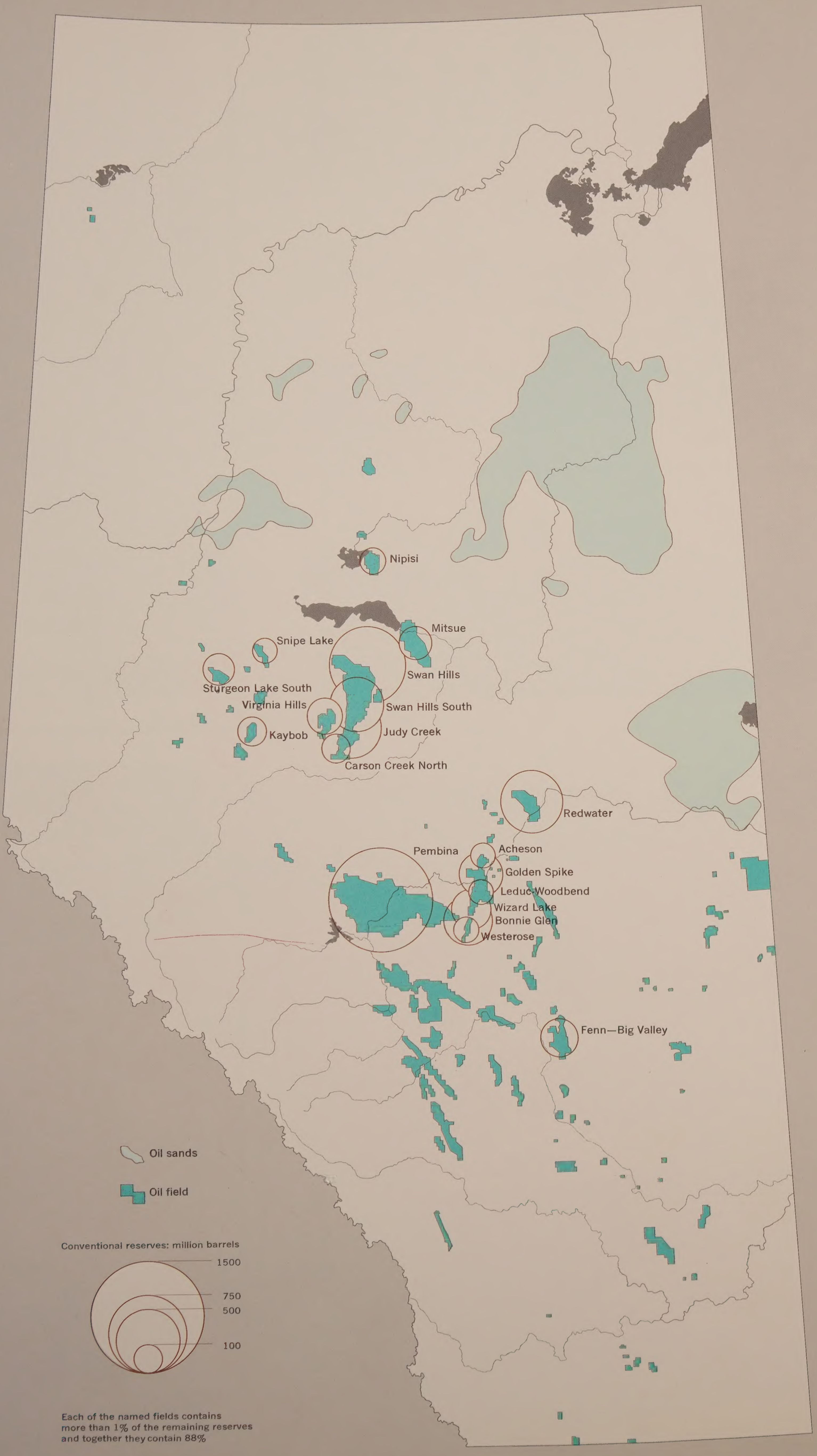
Percent of total oil or gas reserves discovered in the province up to December 31, 1965 (initial recoverable reserves) contained in field.


Number of gas wells per township
1
2
4
8
16
32

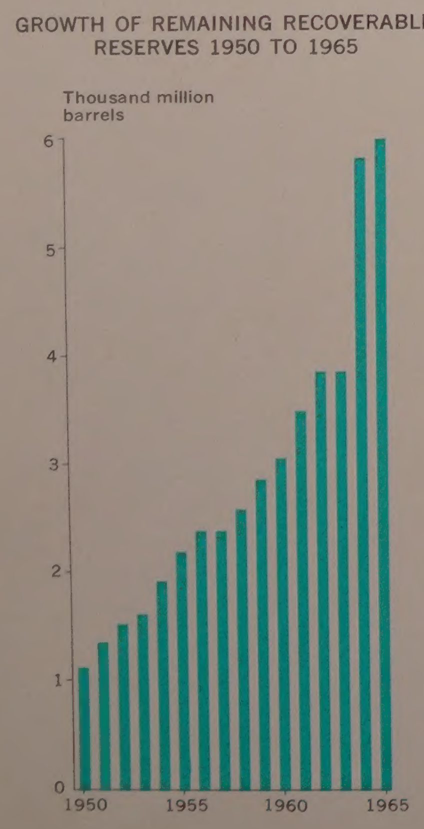
PRODUCING GAS WELLS 1965

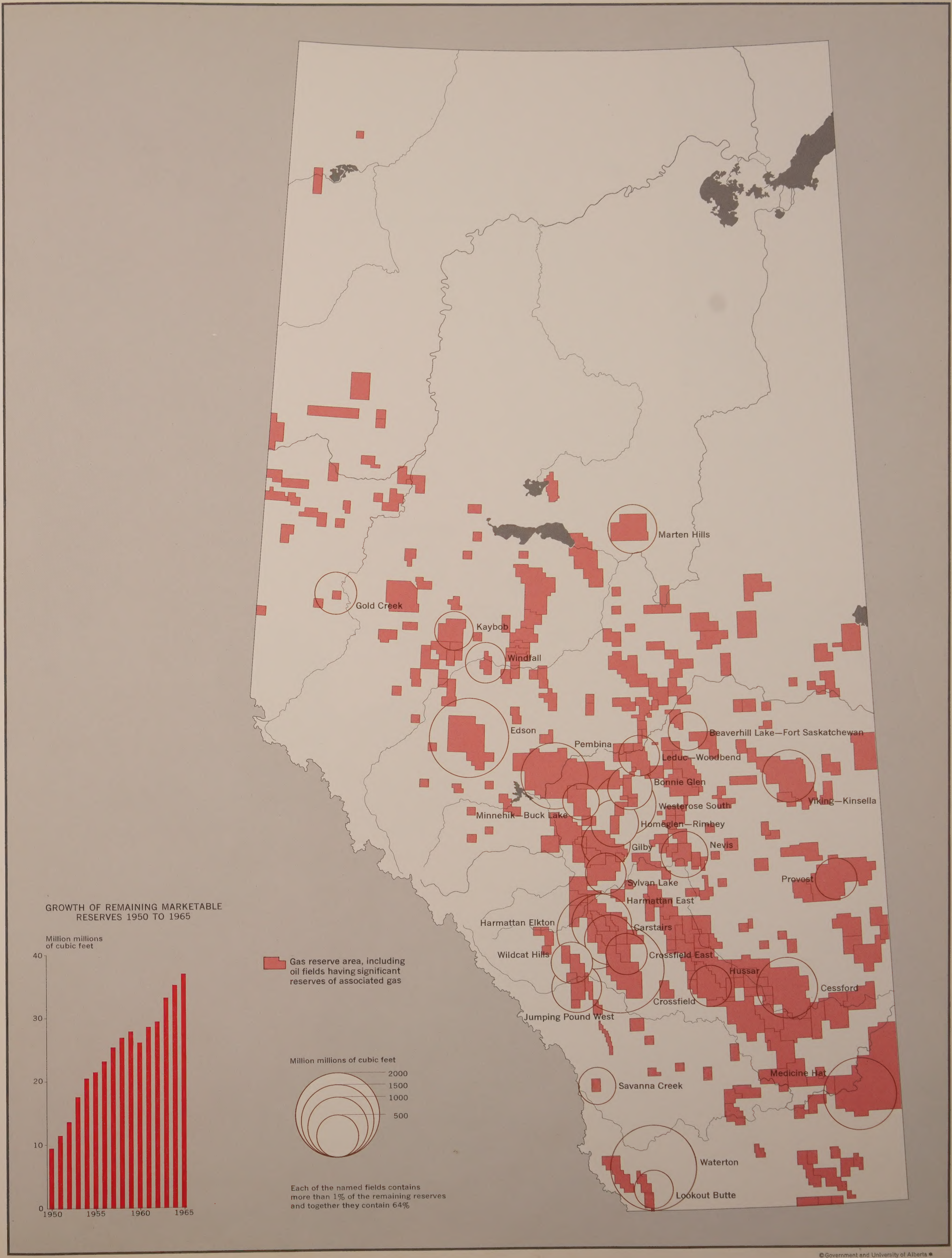
CRUDE OIL RESERVES




Nipisi
Mitsue
Snipe Lake
Swan Hills
Sturgeon Lake South
Virginia Hills
Swan Hills South
Kaybob
Judy Creek
Carson Creek North
Redwater
Pembina
Acheson
Golden Spike
Leduc-Woodbend
Wizard Lake
Bonnie Glen
Westerose
Fenn—Big Valley
Oil sands
Oil field
Conventional reserves: million barrels
1500
750
500
100

Each of the named fields contains more than 1% of the remaining reserves and together they contain 88%



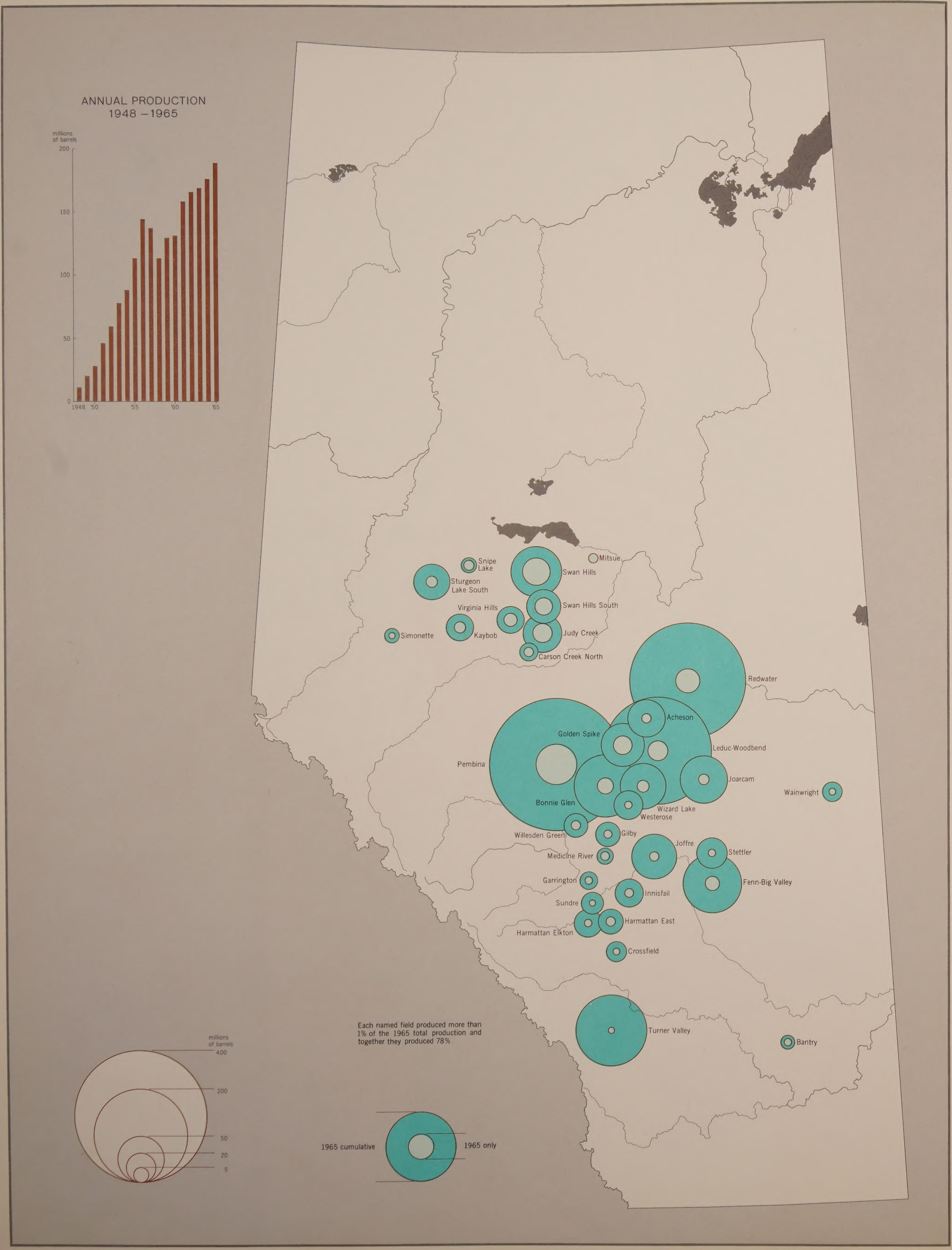

Marten Hills
Gold Creek
Kaybob
Windfall
Edson
Pembina
Beaverhill Lake—Fort Saskatchewan
Leduc—Woodbend
Bonnie Glen
Viking—Kinsella
Westerose South
Minnehik—Buck Lake
Homeglen—Rimbey
Nevis
Gilby
Provost
Sylvan Lake
Harmattan East
Harmattan Elkton
Carstairs
Wildcat Hills
Crossfield East
Hussar
Cessford
Crossfield
Jumping Pound West
Medicine Hat
Savanna Creek
Waterton
Lookout Butte
Million millions of cubic feet
40
30
20
10
0
1950
1955
1960
1965
Million millions of cubic feet
2000
1500
1000
500

GROWTH OF REMAINING MARKETABLE RESERVES 1950 TO 1965

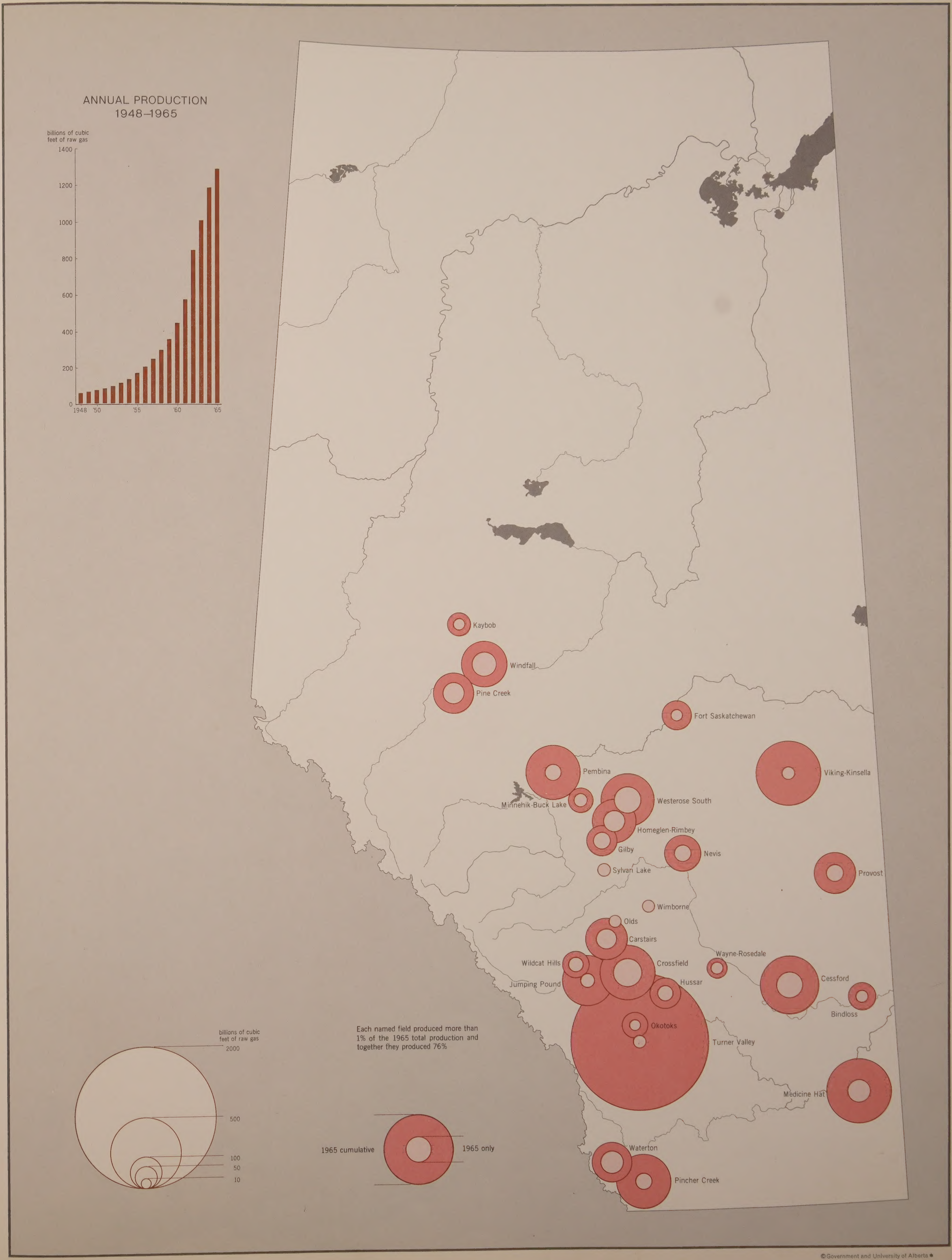
🟥 Gas reserve area, including oil fields having significant reserves of associated gas

Each of the named fields contains more than 1% of the remaining reserves and together they contain 64%

CRUDE OIL PRODUCTION

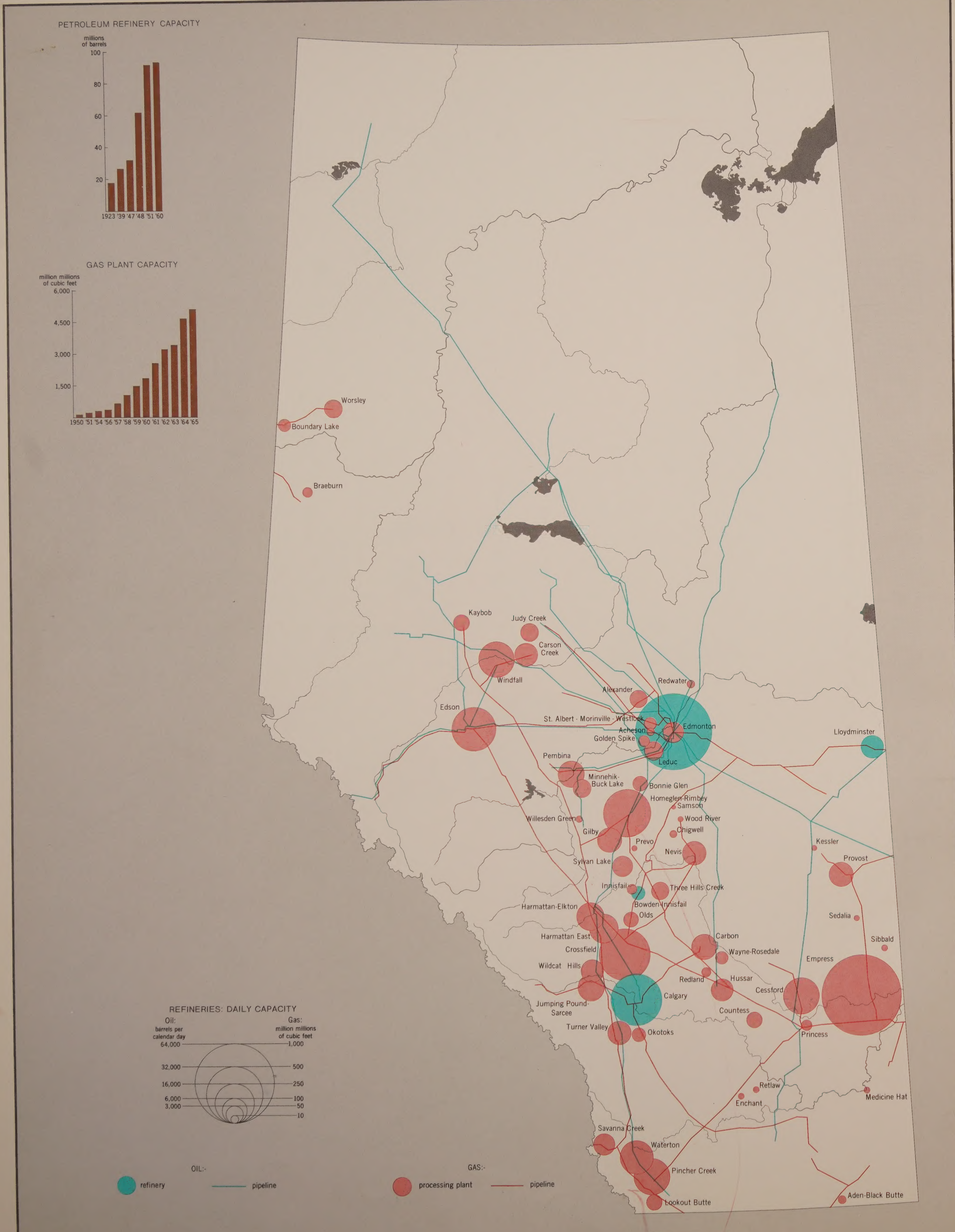

ANNUAL PRODUCTION
1948 – 1965
millions of barrels
200
150
100
50
0
1948
'50
'55
'60
'65
Mitsue
Snipe Lake
Swan Hills
Sturgeon Lake South
Virginia Hills
Swan Hills South
Simonette
Kaybob
Judy Creek
Carson Creek North
Redwater
Acheson
Golden Spike
Leduc-Woodbend
Pembina
Joarcam
Wainwright
Bonnie Glen
Wizard Lake
Westerose
Willesden Green
Gilby
Joffre
Stettler
Medicine River
Garrington
Fenn-Big Valley
Innisfail
Sundre
Harmattan East
Harmattan Elkton
Crossfield
Turner Valley
Bantry
millions of barrels
400
200
50
20
5
1965 cumulative
1965 only

Each named field produced more than 1% of the 1965 total production and together they produced 78%


ANNUAL PRODUCTION
1948–1965
billions of cubic feet of raw gas
1400
1200
1000
800
600
400
200
0
1948
'50
'55
'60
'65
Kaybob
Windfall
Pine Creek
Fort Saskatchewan
Pembina
Viking-Kinsella
Minnehik-Buck Lake
Westerose South
Homeglen-Rimbey
Gilby
Nevis
Sylvan Lake
Provost
Wimborne
Olds
Carstairs
Wayne-Rosedale
Wildcat Hills
Crossfield
Cessford
Jumping Pound
Hussar
Bindloss
Okotoks
Turner Valley
Medicine Hat
Waterton
Pincher Creek
billions of cubic feet of raw gas
2000
500
100
50
10
1965 cumulative
1965 only

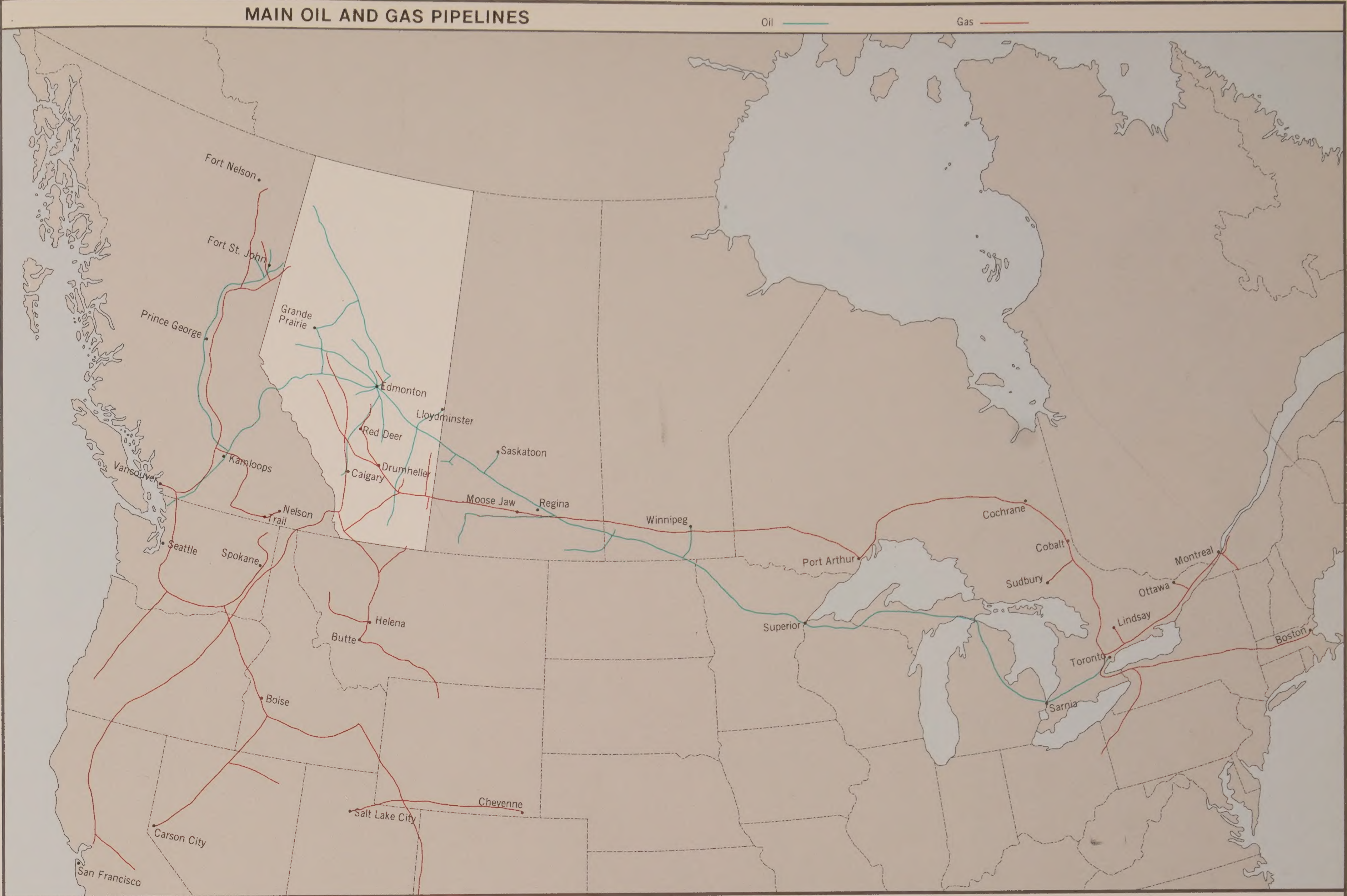
Each named field produced more than 1% of the 1965 total production and together they produced 76%

REFINERIES AND PIPELINES

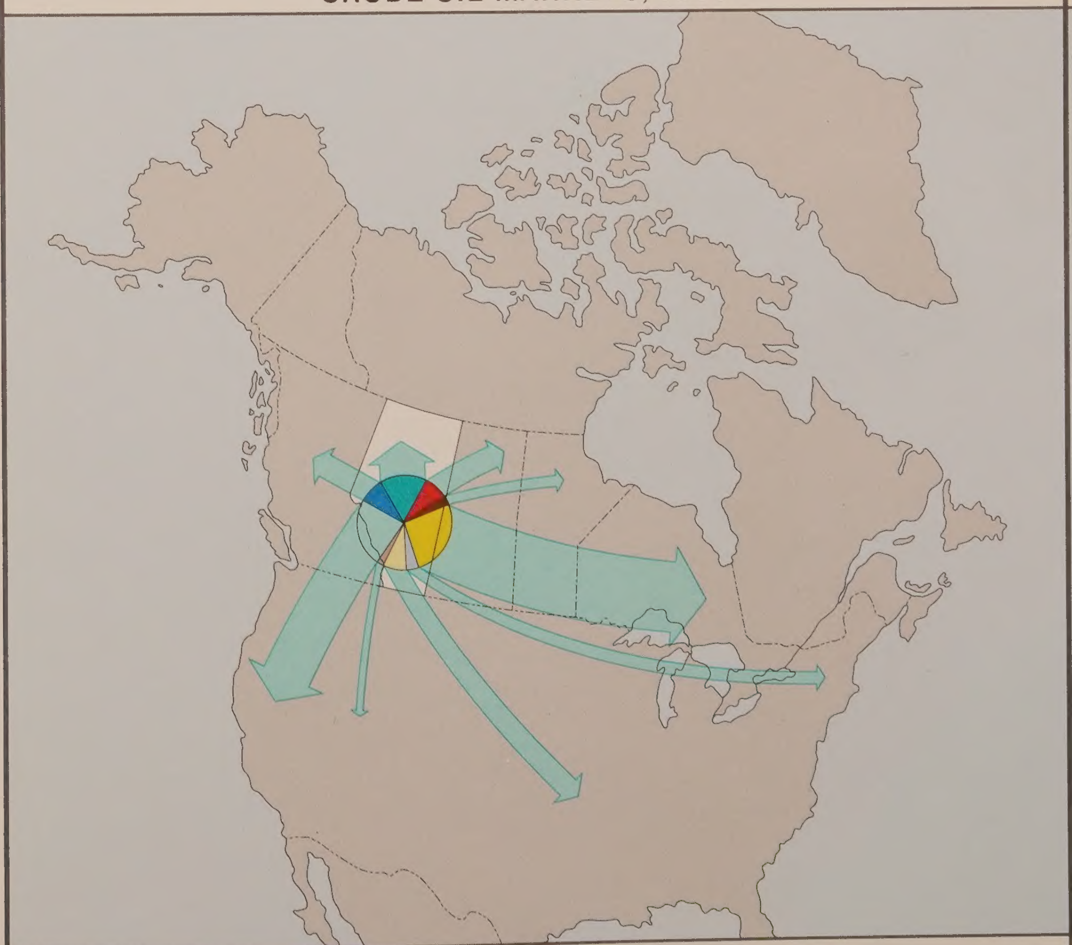

PETROLEUM REFINERY CAPACITY
millions of barrels
100
80
60
40
20
1923 '39 '47 '48 '51 '60
GAS PLANT CAPACITY
million millions of cubic feet
6,000
4,500
3,000
1,500
1950 '51 '54 '56 '57 '58 '59 '60 '61 '62 '63 '64 '65
Worsley
Boundary Lake
Braeburn
Kaybob
Judy Creek
Carson Creek
Windfall
Redwater
Alexander
Edson
St. Albert - Morinville - Westlock
Acheson
Golden Spike
Edmonton
Leduc
Lloydminster
Pembina
Minnehik-Buck Lake
Bonnie Glen
Homeglen-Rimbey
Samson
Willesden Green
Wood River
Chigwell
Gilby
Prevo
Nevis
Kessler
Provost
Sylvan Lake
Innisfail
Three Hills Creek
Bowden-Innisfail
Olds
Harmattan-Elkton
Sedalia
Harmattan East
Carbon
Sibbald
Crossfield
Wayne-Rosedale
Empress
Wildcat Hills
Redland
Hussar
Cessford
Calgary
Jumping Pound-Sarcee
Countess
Turner Valley
Okotoks
Princess
Retlaw
Enchant
Medicine Hat
Savanna Creek
Waterton
Pincher Creek
Lookout Butte
Aden-Black Butte
REFINERIES: DAILY CAPACITY
Oil:
barrels per calendar day
Gas:
million millions of cubic feet
64,000
1,000
32,000
500
16,000
250
6,000
100
3,000
50
10
OIL:-
refinery
pipeline
GAS:-
processing plant
pipeline

OIL AND GAS PRODUCT DISTRIBUTION IN NORTH AMERICA

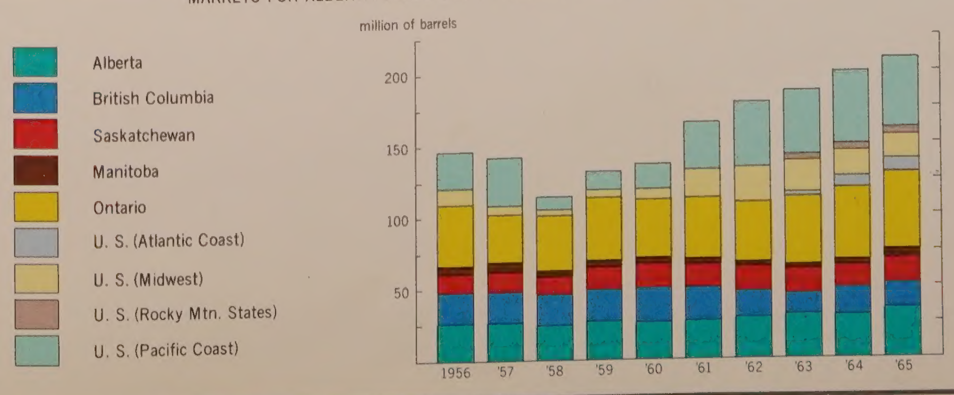
MAIN OIL AND GAS PIPELINES


Oil
Gas
Fort Nelson
Fort St. John
Prince George
Grande Prairie
Edmonton
Lloydminster
Red Deer
Saskatoon
Kamloops
Drumheller
Calgary
Vancouver
Moose Jaw
Regina
Nelson
Trail
Winnipeg
Cochrane
Seattle
Spokane
Port Arthur
Cobalt
Montreal
Sudbury
Ottawa
Helena
Superior
Lindsay
Butte
Boston
Toronto
Sarnia
Boise
Cheyenne
Salt Lake City
Carson City
San Francisco

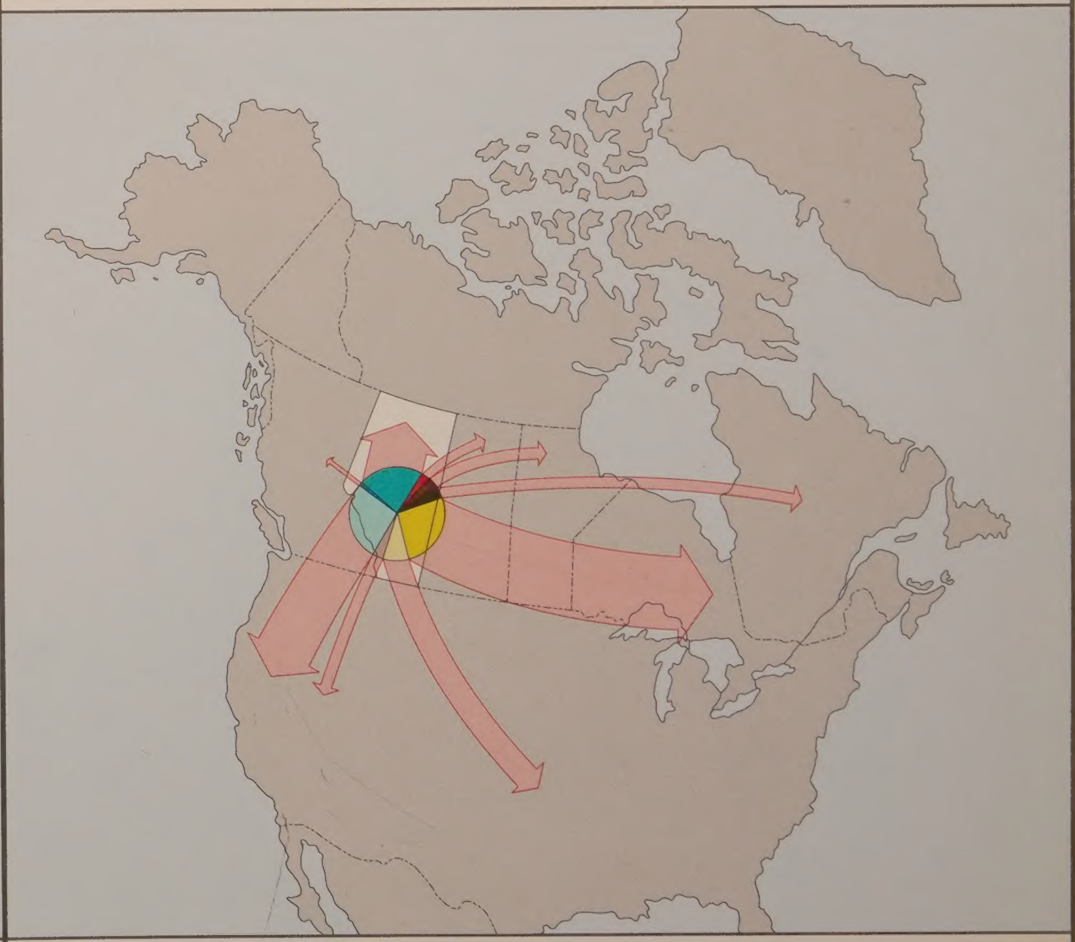
CRUDE OIL MARKETS, 1965



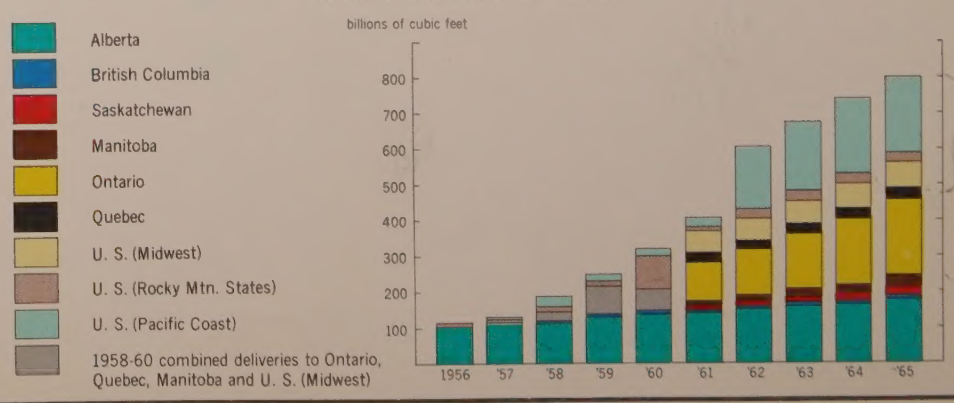
MARKETS FOR ALBERTA CRUDE OIL, CONDENSATES AND PENTANES PLUS



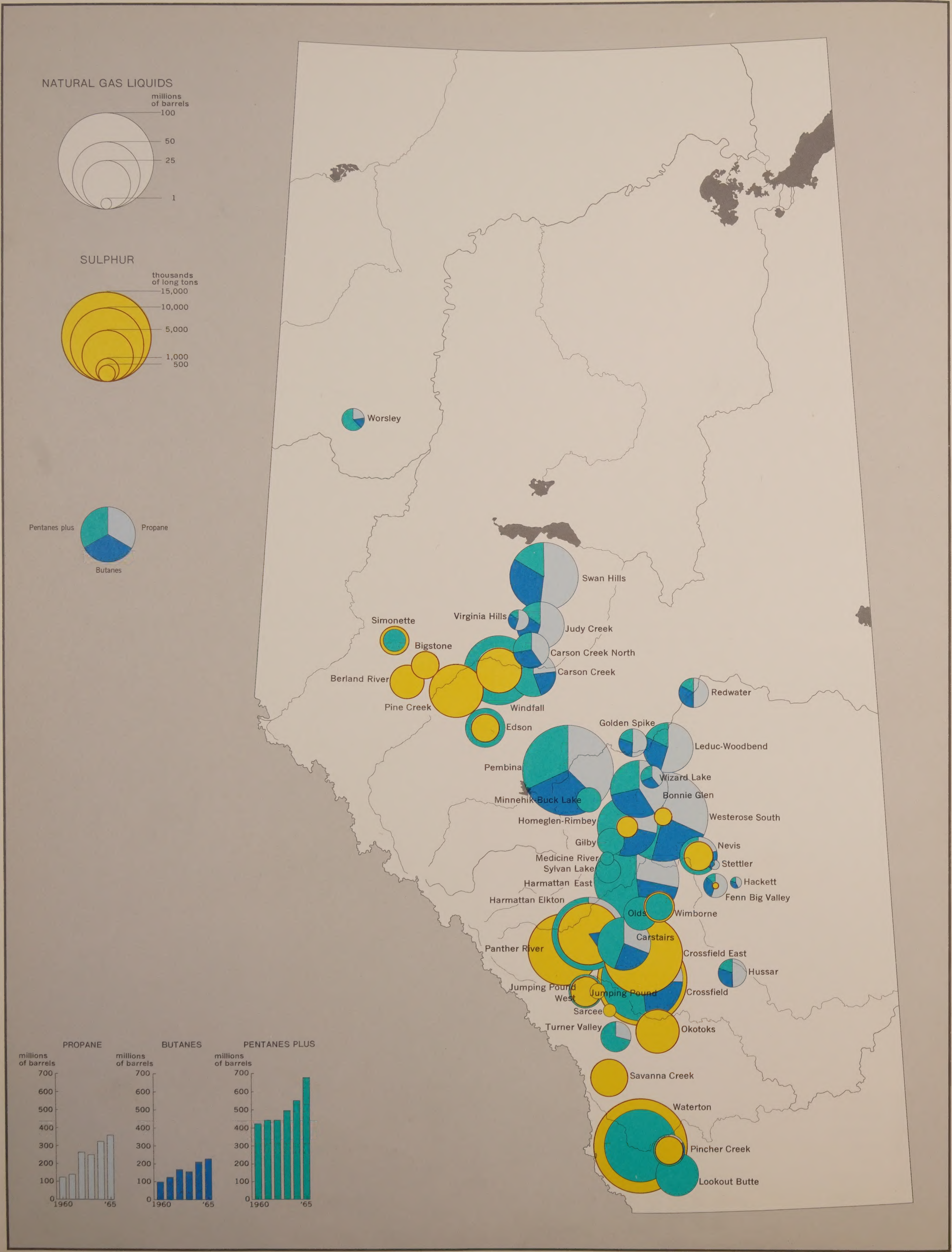
NATURAL GAS MARKETS, 1965



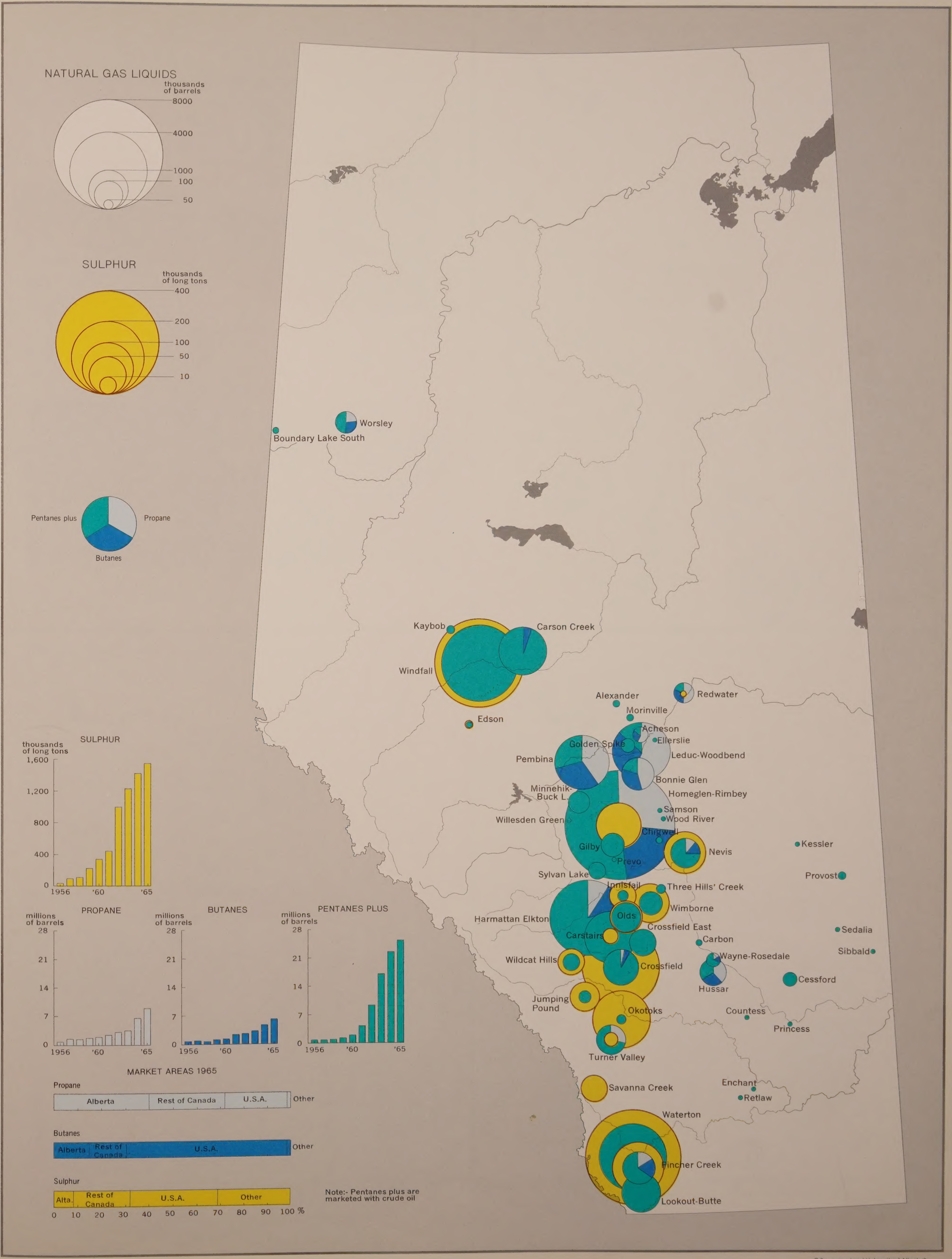
MARKETS FOR ALBERTA NATURAL GAS



RESERVES OF NATURAL GAS LIQUIDS AND SULPHUR

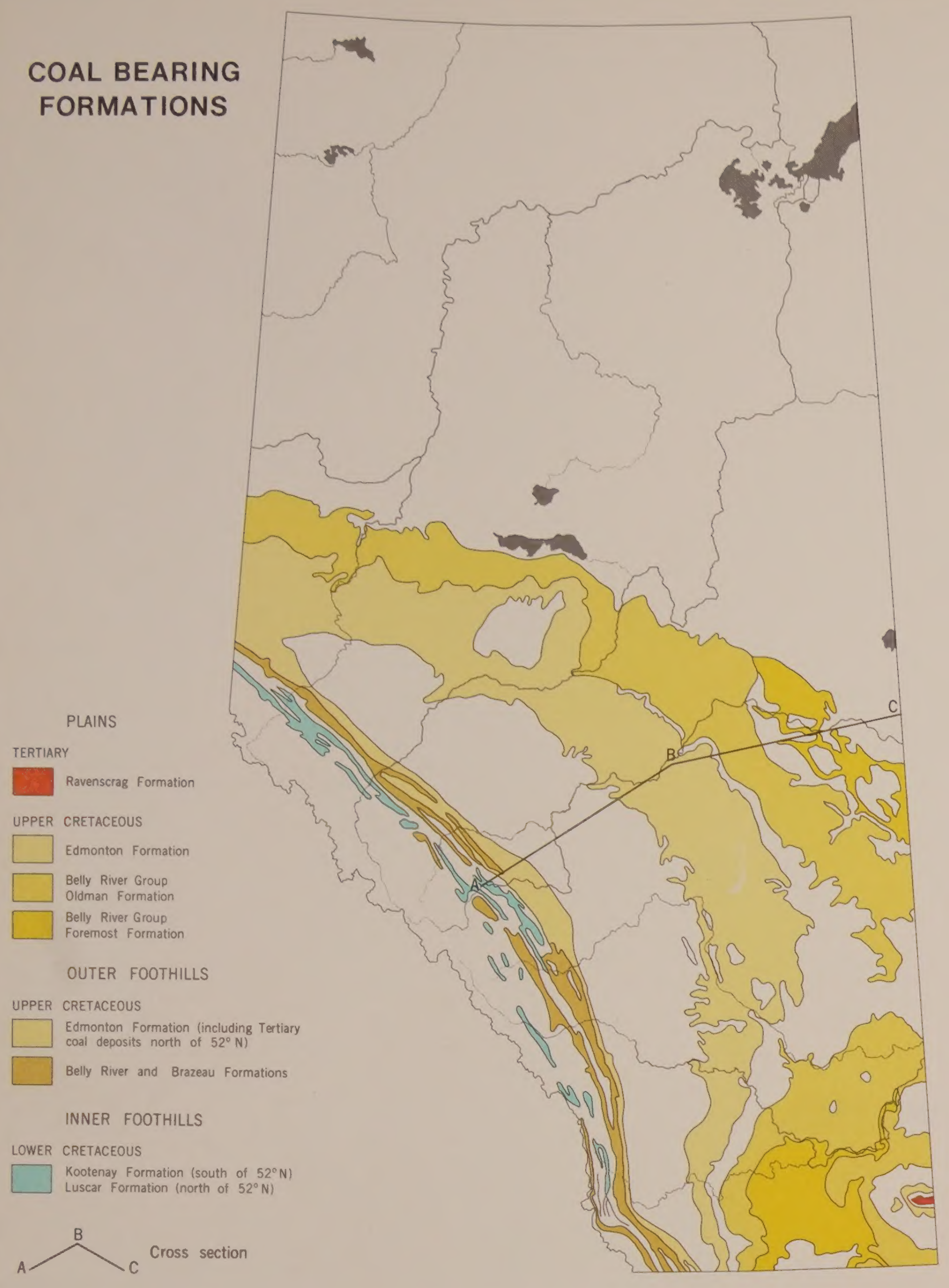

NATURAL GAS LIQUIDS
millions of barrels
100
50
25
1
SULPHUR
thousands of long tons
15,000
10,000
5,000
1,000
500
Pentanes plus
Propane
Butanes
Worsley
Swan Hills
Virginia Hills
Judy Creek
Simonette
Bigstone
Carson Creek North
Carson Creek
Berland River
Pine Creek
Windfall
Edson
Redwater
Golden Spike
Leduc-Woodbend
Pembina
Wizard Lake
Minnehik-Buck Lake
Bonnie Glen
Homeglen-Rimbey
Westerose South
Gilby
Nevis
Medicine River
Stettler
Sylvan Lake
Hackett
Harmattan East
Fenn Big Valley
Harmattan Elkton
Olds
Wimborne
Carstairs
Panther River
Crossfield East
Hussar
Jumping Pound West
Jumping Pound
Crossfield
Sarcee
Turner Valley
Okotoks
Savanna Creek
Waterton
Pincher Creek
Lookout Butte
PROPANE
millions of barrels
700
600
500
400
300
200
100
0
1960
'65
BUTANES
millions of barrels
700
600
500
400
300
200
100
0
1960
'65
PENTANES PLUS
millions of barrels
700
600
500
400
300
200
100
0
1960
'65

PRODUCTION OF NATURAL GAS LIQUIDS AND SULPHUR

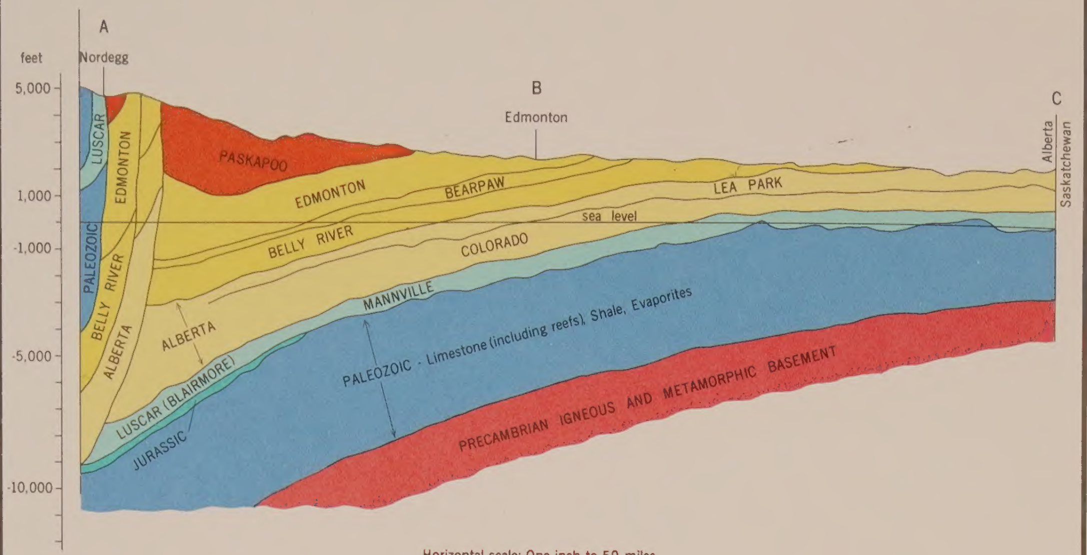

NATURAL GAS LIQUIDS
thousands of barrels
8000
4000
1000
100
50
SULPHUR
thousands of long tons
400
200
100
50
10
Pentanes plus
Propane
Butanes
Worsley
Boundary Lake South
Kaybob
Carson Creek
Windfall
Edson
Alexander
Redwater
Morinville
Acheson
Ellerslie
Golden Spike
Pembina
Leduc-Woodbend
Bonnie Glen
Minnehik-Buck L.
Homeglen-Rimbey
Samson
Wood River
Willesden Green
Chigwell
Gilby
Nevis
Kessler
Prevo
Sylvan Lake
Provost
Innisfail
Three Hills' Creek
Wimborne
Harmattan Elkton
Olds
Crossfield East
Sedalia
Carstairs
Carbon
Sibbald
Wildcat Hills
Wayne-Rosedale
Crossfield
Hussar
Cessford
Jumping Pound
Okotoks
Countess
Princess
Turner Valley
Savanna Creek
Enchant
Retlaw
Waterton
Pincher Creek
Lookout-Butte
SULPHUR
thousands of long tons
1,600
1,200
800
400
0
1956
'60
'65
PROPANE
millions of barrels
28
21
14
7
0
1956
'60
'65
BUTANES
millions of barrels
28
21
14
7
0
1956
'60
'65
PENTANES PLUS
millions of barrels
28
21
14
7
0
1956
'60
'65
MARKET AREAS 1965
Propane
Alberta
Rest of Canada
U.S.A.
Other
Butanes
Alberta
Rest of Canada
U.S.A.
Other
Sulphur
Alta.
Rest of Canada
U.S.A.
Other
0
10
20
30
40
50
60
70
80
90
100 %

Note:- Pentanes plus are marketed with crude oil

COAL BEARING FORMATIONS

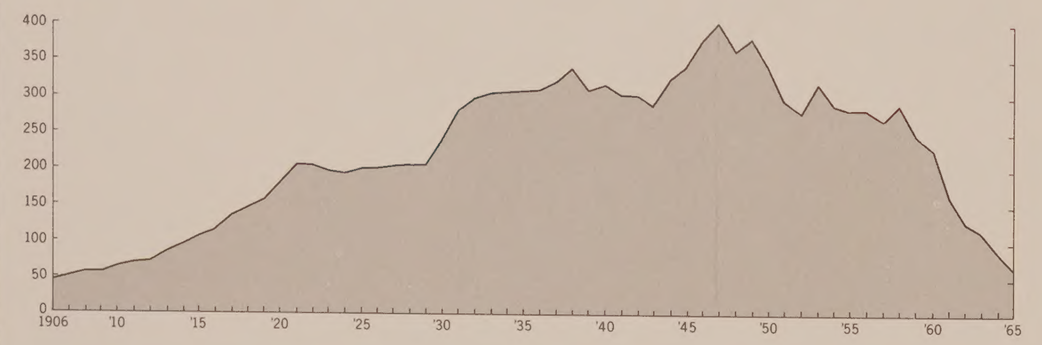

PLAINS
TERTIARY
🟥 Ravenscrag Formation
UPPER CRETACEOUS
🟨 Edmonton Formation
🟨 Belly River Group Oldman Formation
🟨 Belly River Group Foremost Formation
OUTER FOOTHILLS
UPPER CRETACEOUS
🟨 Edmonton Formation (including Tertiary coal deposits north of 52° N)
🟫 Belly River and Brazeau Formations
INNER FOOTHILLS
LOWER CRETACEOUS
🟦 Kootenay Formation (south of 52° N) Luscar Formation (north of 52° N)
A B C Cross section
A
B
C

REGIONAL CROSS SECTION

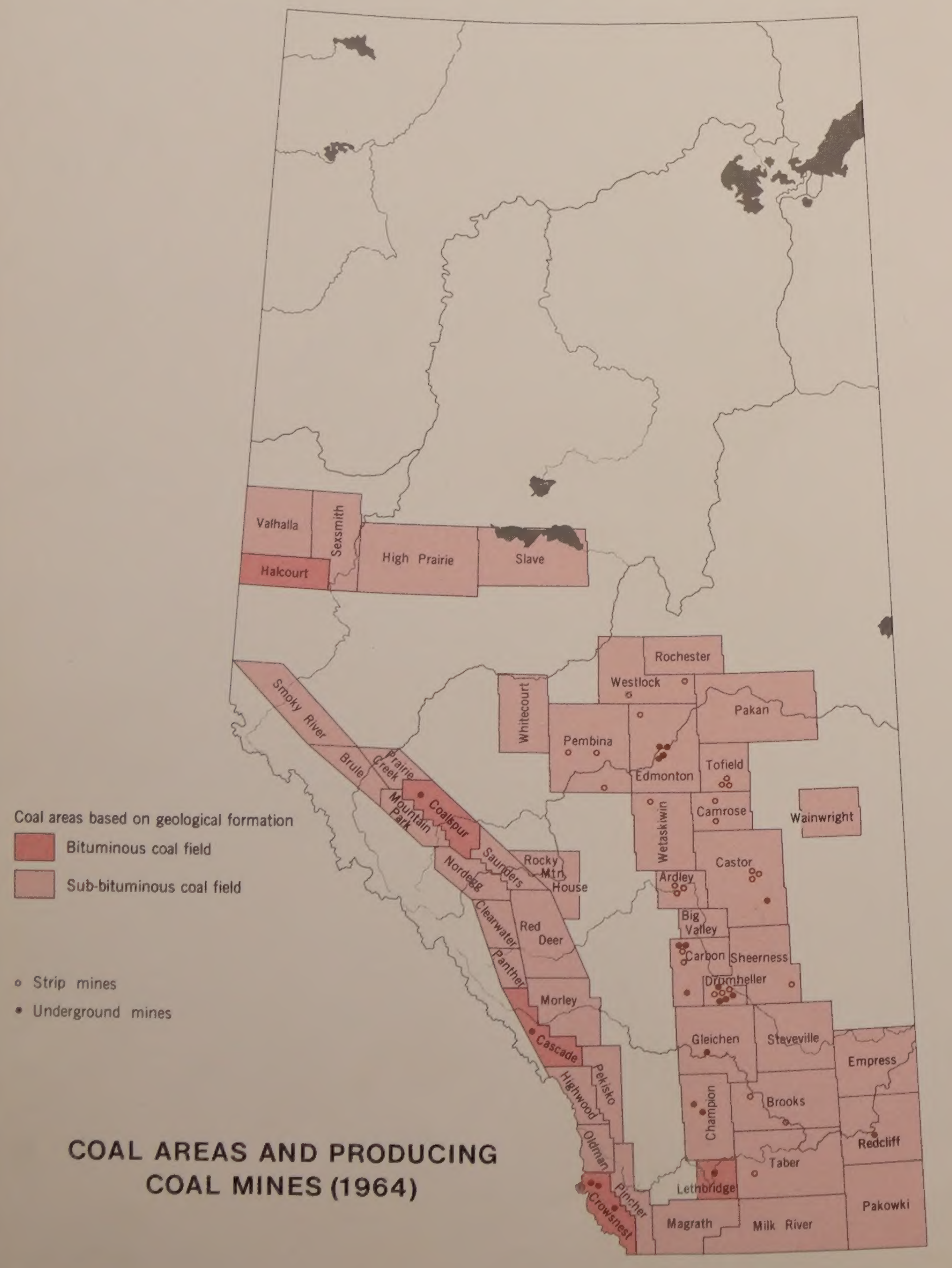

feet
5,000
1,000
-1,000
-5,000
-10,000
A
Nordegg
B
Edmonton
C
Alberta
Saskatchewan
LUSCAR
EDMONTON
PALEOZOIC
BELLY RIVER
ALBERTA
PASKAPOO
EDMONTON
BEARPAW
LEA PARK
sea level
BELLY RIVER
COLORADO
MANNVILLE
ALBERTA
LUSCAR (BLAIRMORE)
JURASSIC
PALEOZOIC - Limestone (including reefs), Shale, Evaporites
PRECAMBRIAN IGNEOUS AND METAMORPHIC BASEMENT

Horizontal scale: One inch to 50 miles

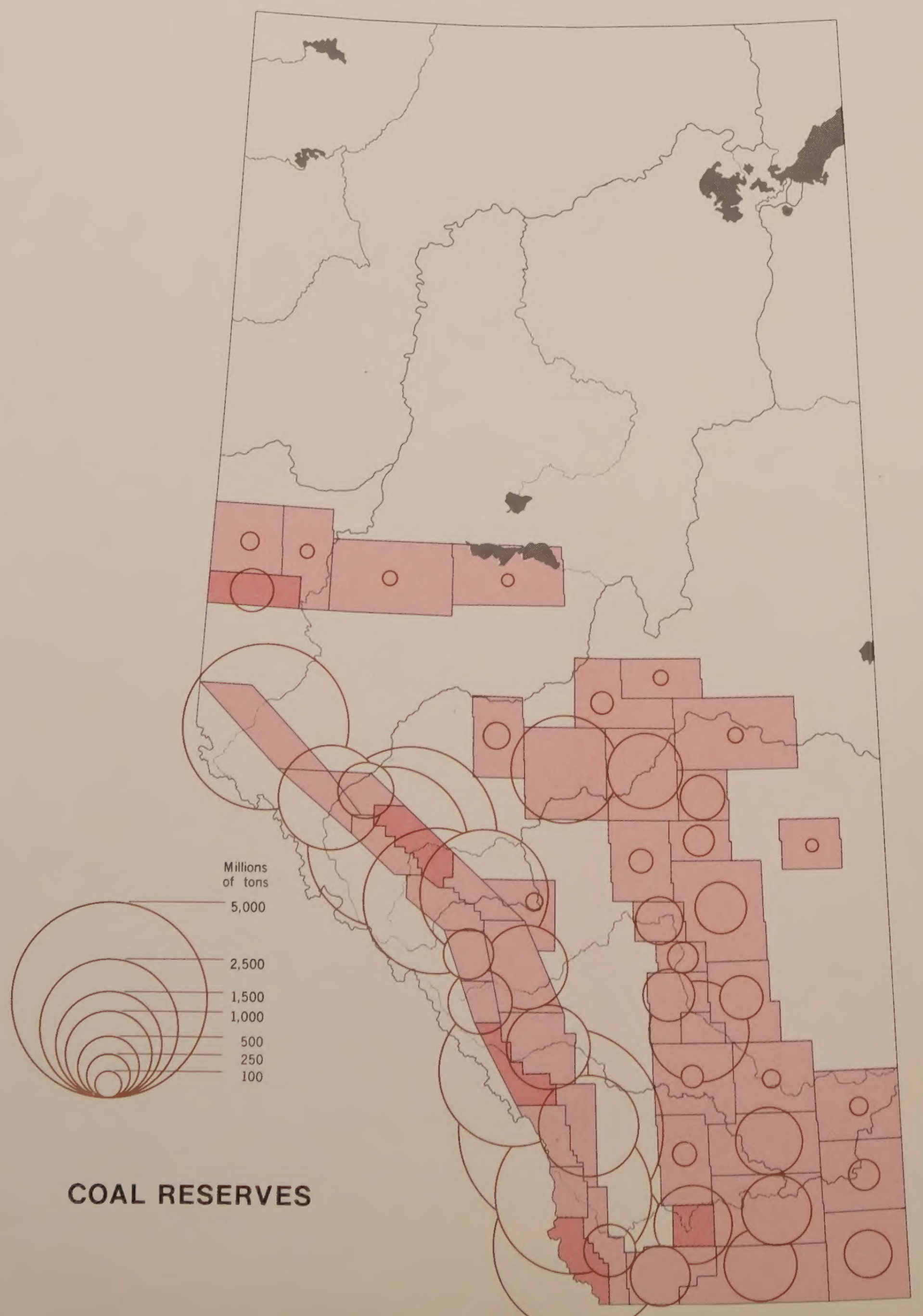
NUMBER OF MINES (1906-1965)



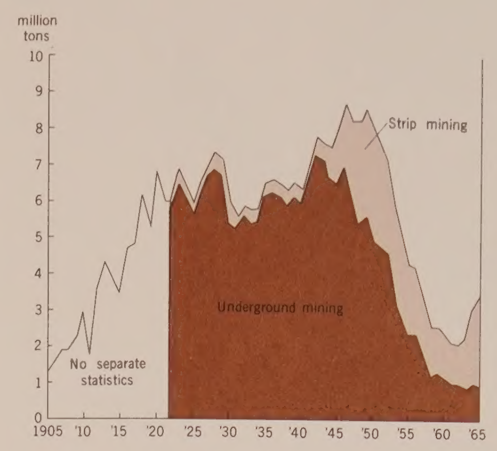
COAL AREAS AND PRODUCING COAL MINES (1964)


Coal areas based on geological formation
🟥 Bituminous coal field
▨ Sub-bituminous coal field
○ Strip mines
● Underground mines
Valhalla
Sexsmith
Halcourt
High Prairie
Slave
Smoky River
Brule
Prairie Creek
Mountain Park
Coalspur
Nordegg
Saunders
Rocky Mtn. House
Clearwater
Red Deer
Panther
Morley
Cascade
Highwood
Pekisko
Oldman
Pincher
Crowsnest
Whitecourt
Rochester
Westlock
Pakan
Pembina
Edmonton
Tofield
Camrose
Wetaskiwin
Wainwright
Castor
Ardley
Big Valley
Carbon
Sheerness
Drumheller
Gleichen
Steveville
Empress
Champion
Brooks
Redcliff
Taber
Lethbridge
Magrath
Milk River
Pakowki

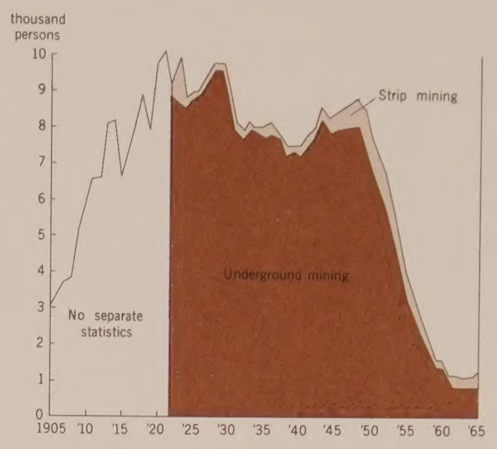
COAL RESERVES


Millions of tons
5,000
2,500
1,500
1,000
500
250
100

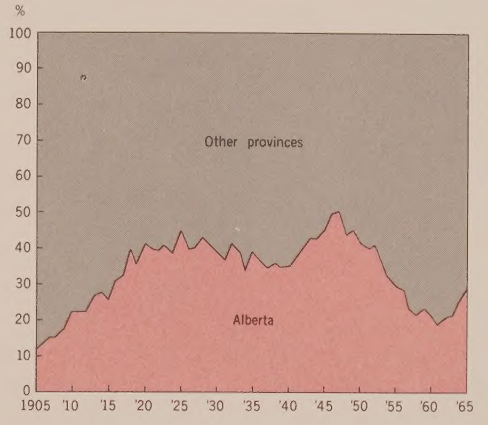
PRODUCTION IN ALBERTA



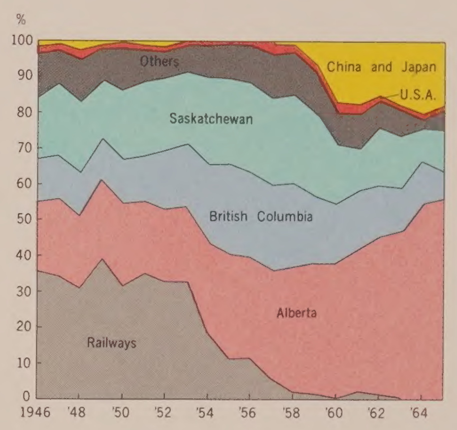
EMPLOYMENT

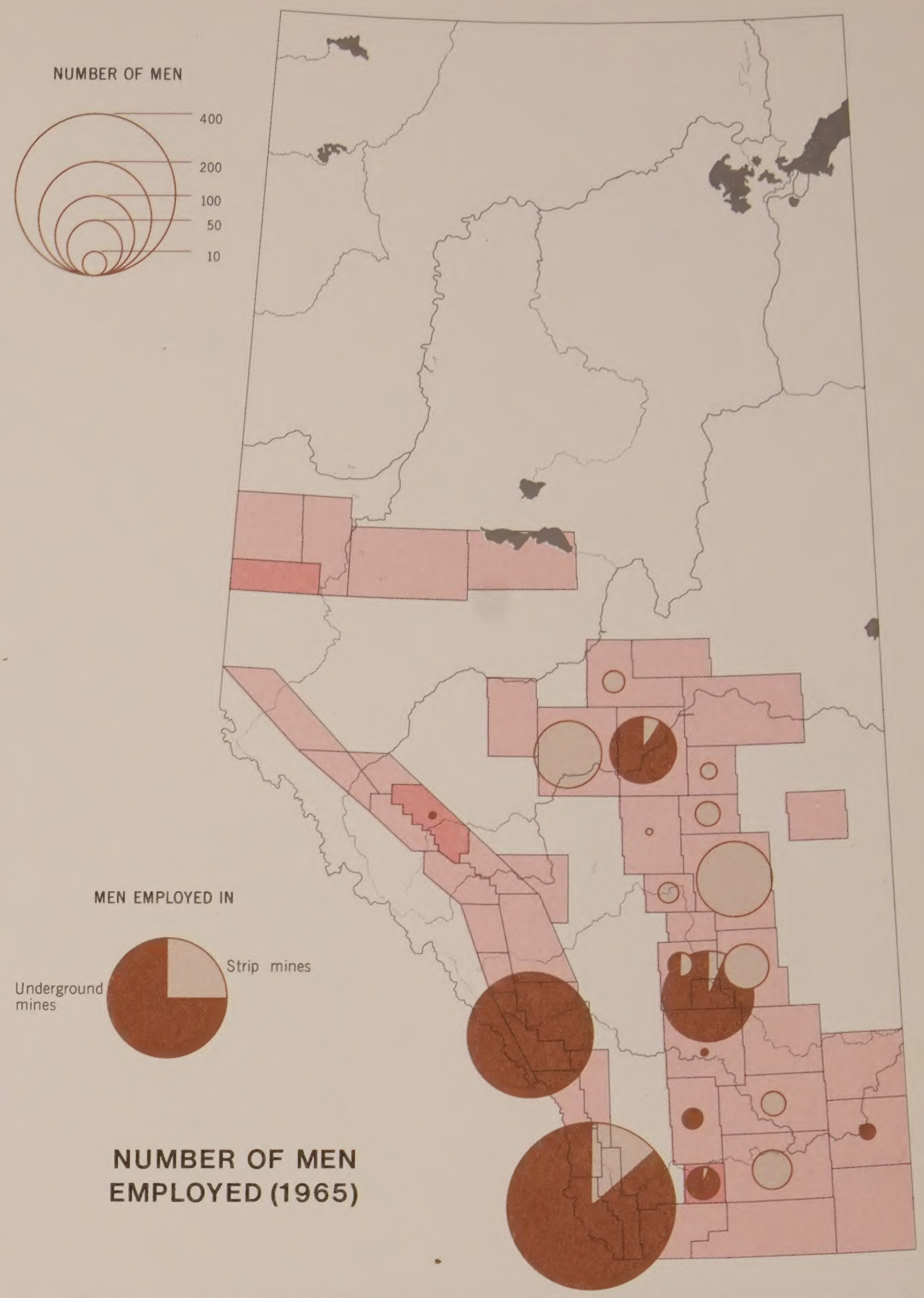


PERCENT OF CANADIAN PRODUCTION

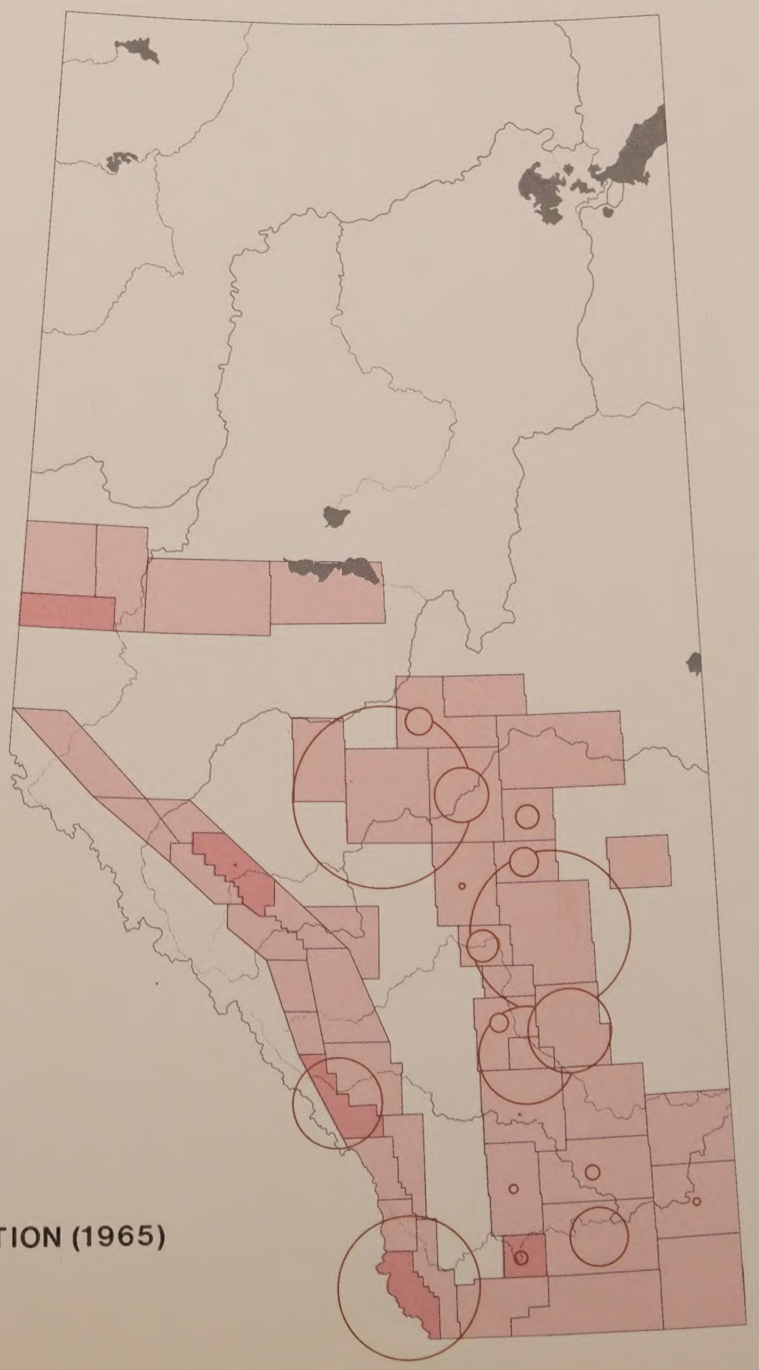


MARKETS

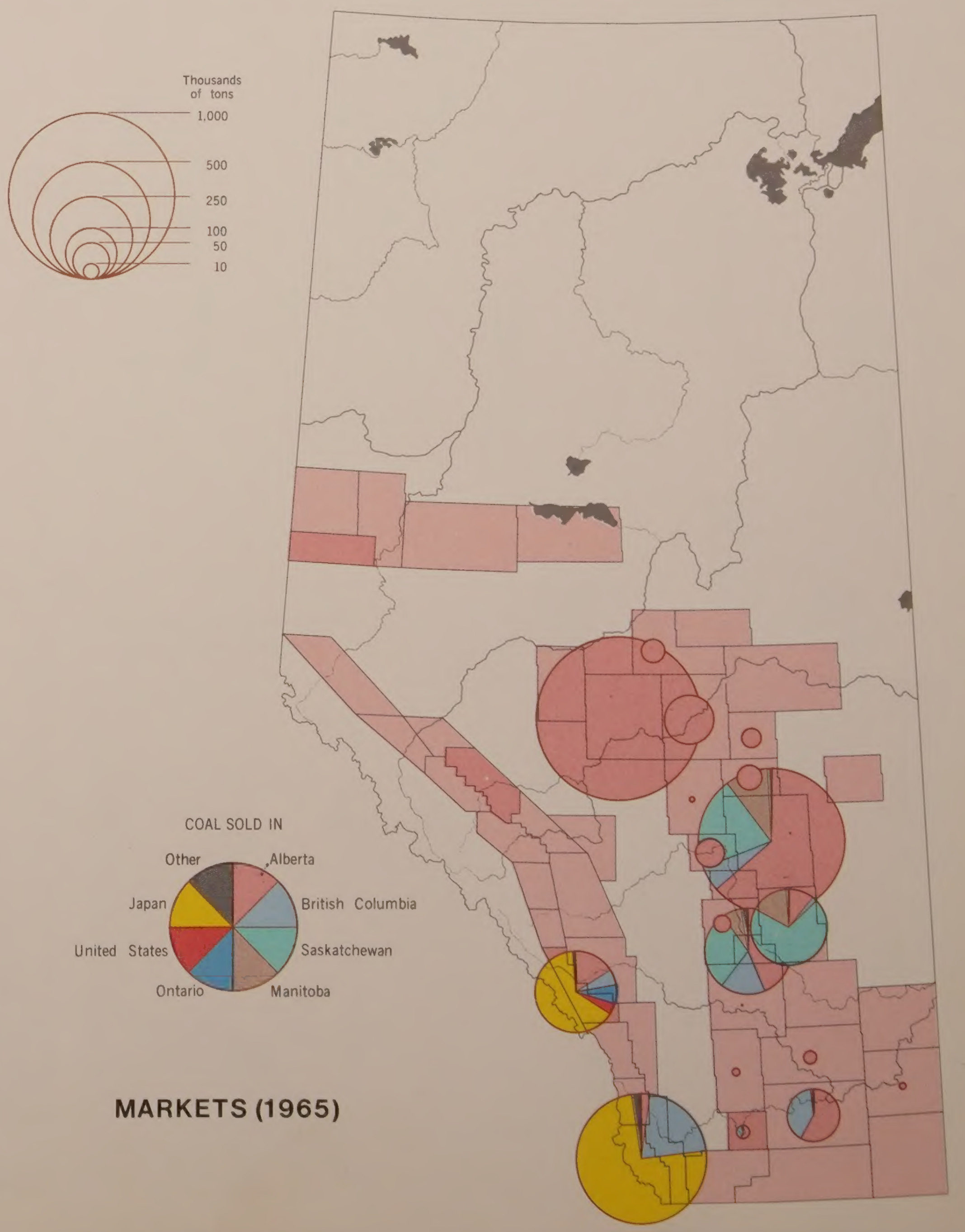



NUMBER OF MEN
400
200
100
50
10
MEN EMPLOYED IN
Underground mines
Strip mines

NUMBER OF MEN EMPLOYED (1965)

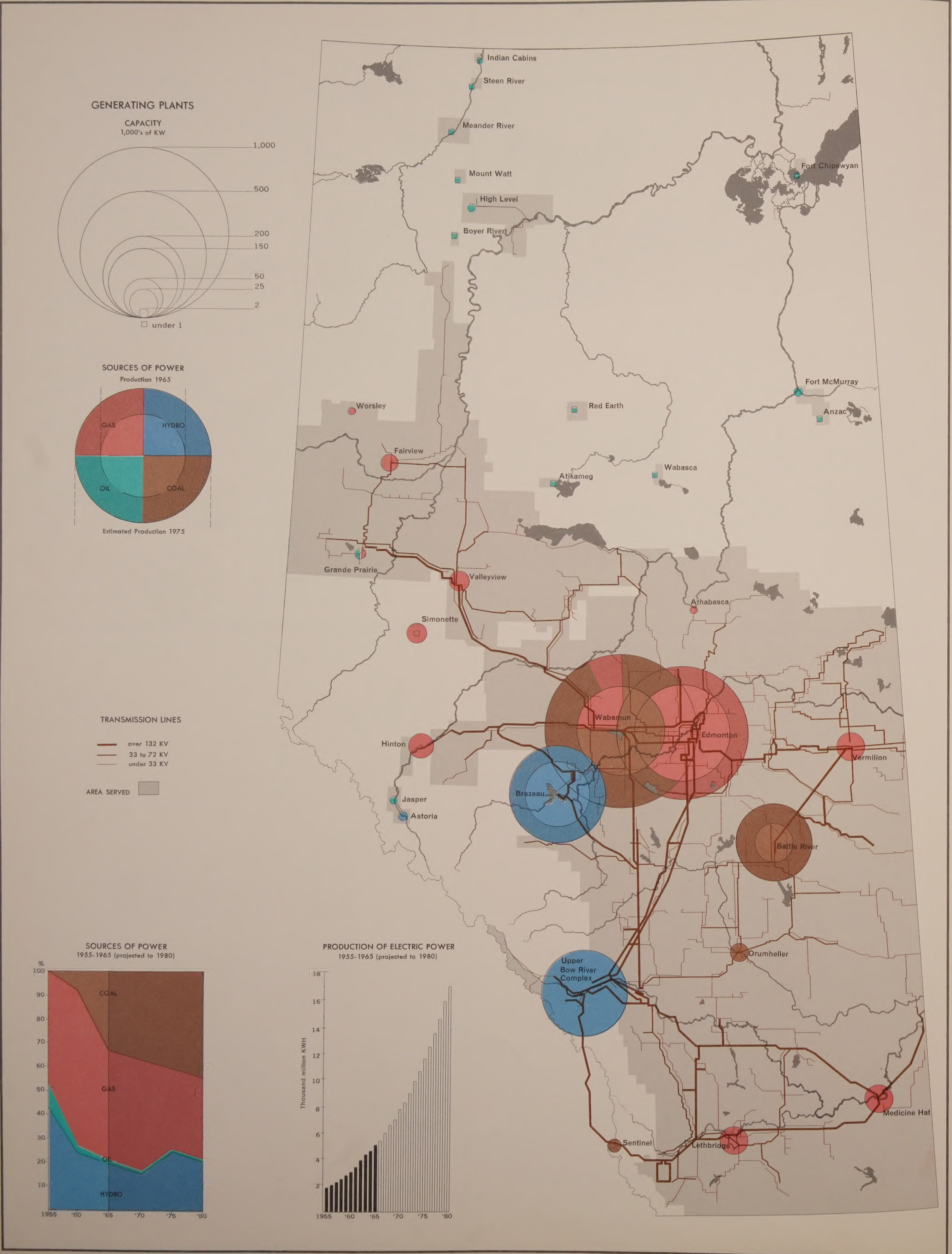


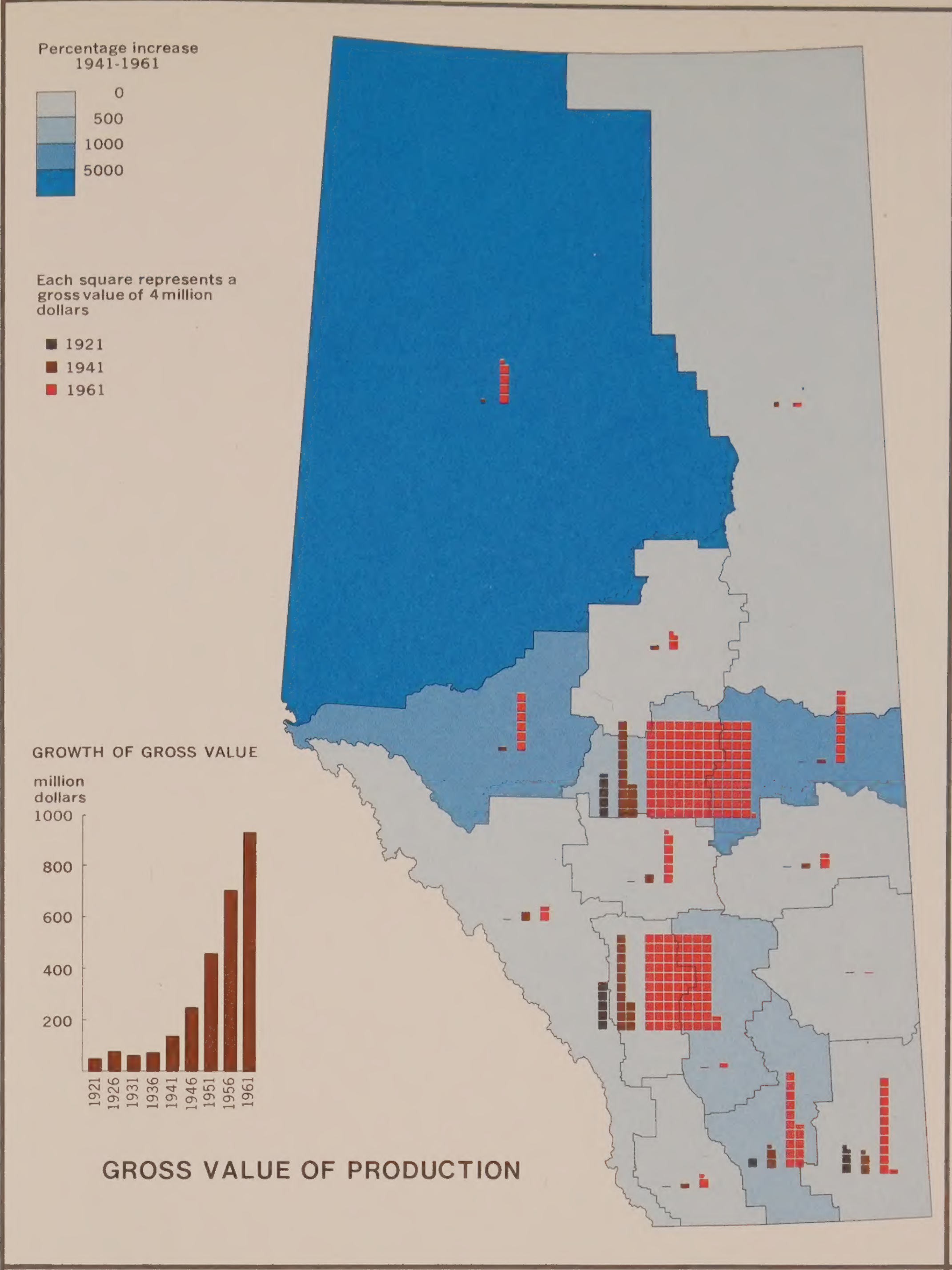
PRODUCTION (1965)


Thousands of tons
1,000
500
250
100
50
10
COAL SOLD IN
Other
Alberta
Japan
British Columbia
United States
Saskatchewan
Ontario
Manitoba

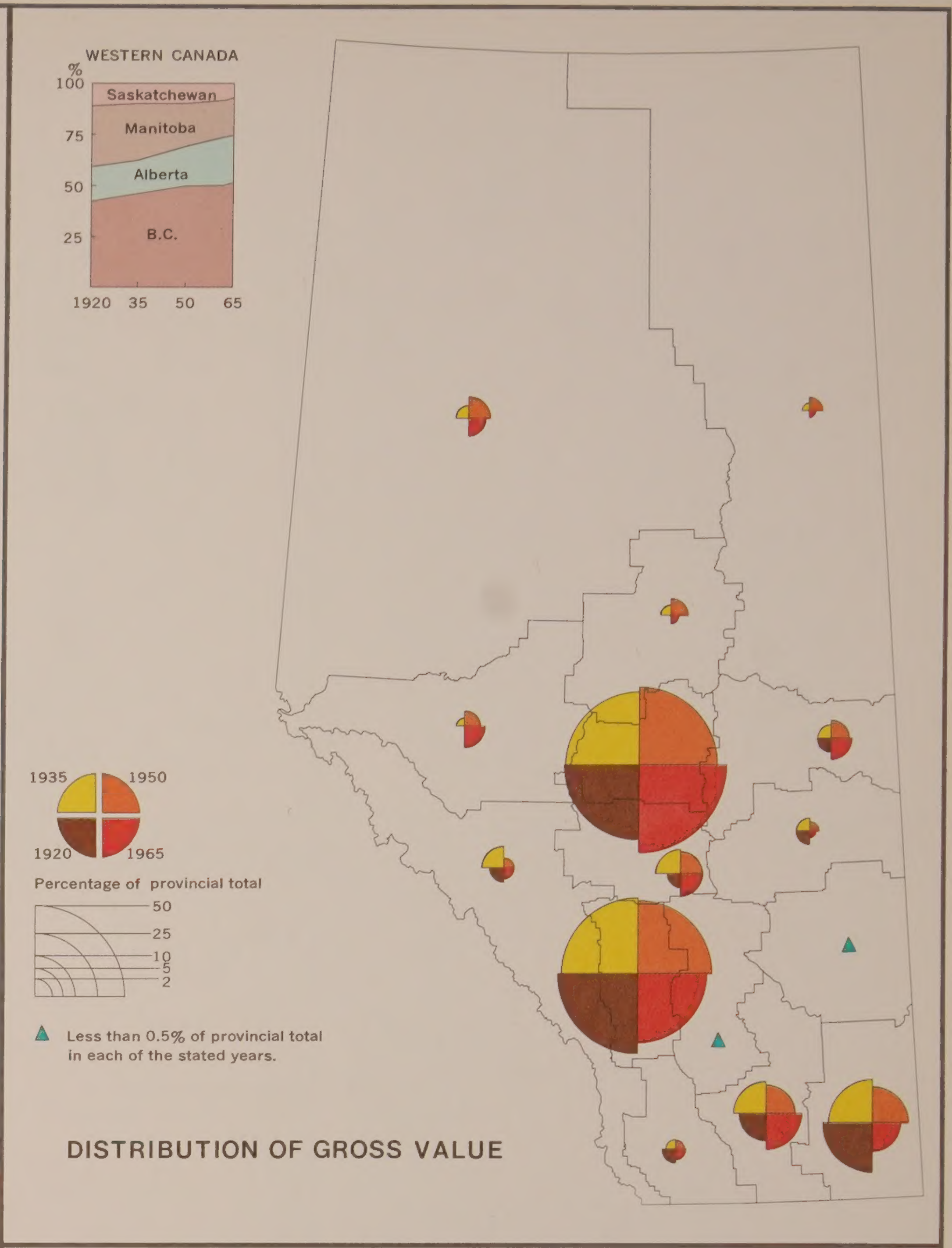
MARKETS (1965)

ELECTRIC POWER

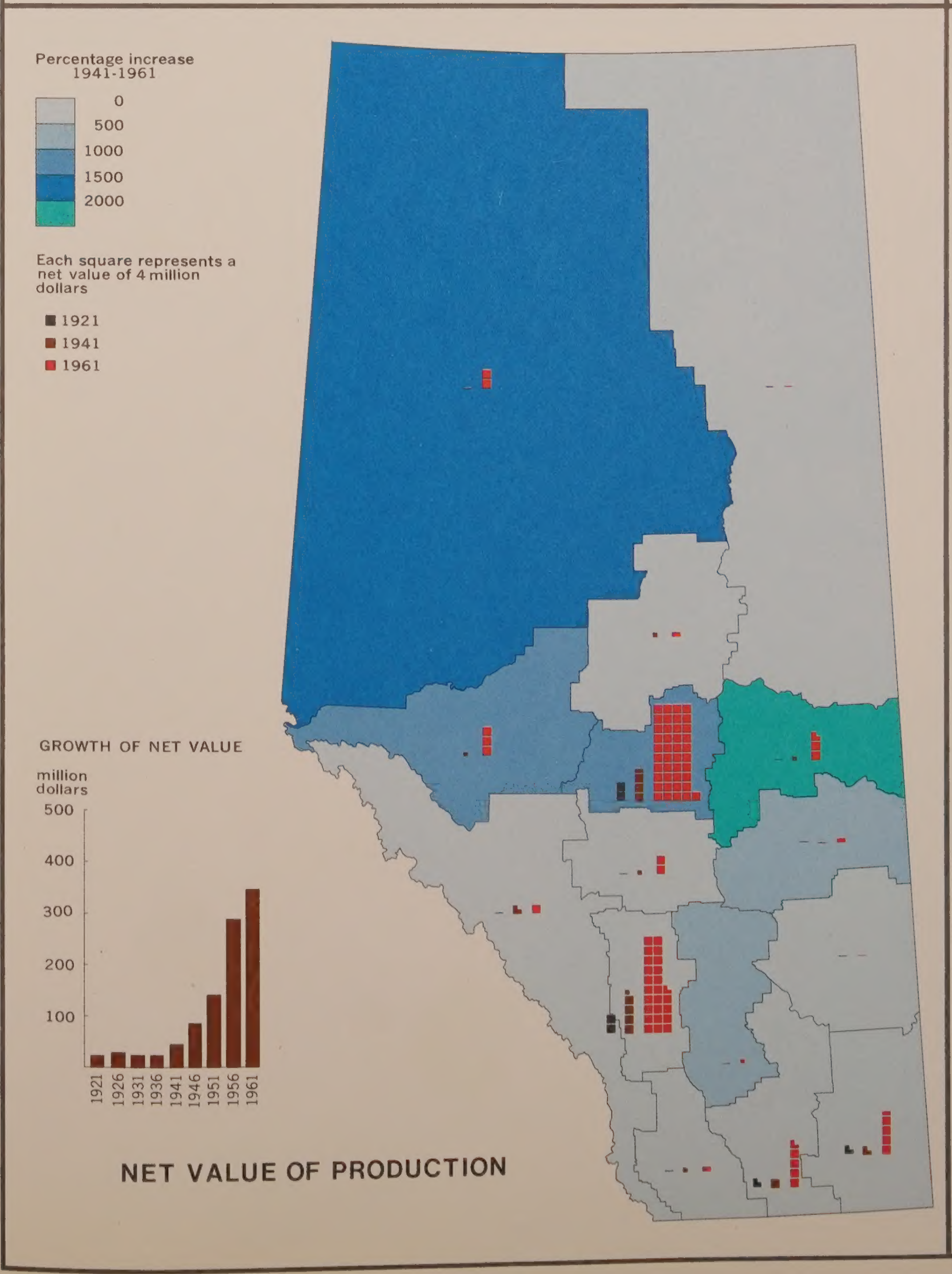

GENERATING PLANTS
CAPACITY
1,000's of KW
1,000
500
200
150
50
25
2
☐ under 1
SOURCES OF POWER
Production 1965
GAS
HYDRO
OIL
COAL
Estimated Production 1975
TRANSMISSION LINES
over 132 KV
33 to 72 KV
under 33 KV
AREA SERVED
Indian Cabins
Steen River
Meander River
Mount Watt
High Level
Boyer River
Fort Chipewyan
Fort McMurray
Anzac
Worsley
Red Earth
Fairview
Wabasca
Atikameg
Grande Prairie
Valleyview
Athabasca
Simonette
Wabamun
Edmonton
Hinton
Vermilion
Brazeau
Jasper
Astoria
Battle River
Drumheller
Upper Bow River Complex
Medicine Hat
Sentinel
Lethbridge
SOURCES OF POWER
1955-1965 (projected to 1980)
%
100
90
80
70
60
50
40
30
20
10
COAL
GAS
OIL
HYDRO
1955
'60
'65
'70
'75
'80
PRODUCTION OF ELECTRIC POWER
1955-1965 (projected to 1980)
Thousand million KWH
18
16
14
12
10
8
6
4
2
1955
'60
'65
'70
'75
'80


Percentage increase 1941-1961
0
500
1000
5000
Each square represents a gross value of 4 million dollars
1921
1941
1961
GROWTH OF GROSS VALUE
million dollars
1000
800
600
400
200
1921
1926
1931
1936
1941
1946
1951
1956
1961

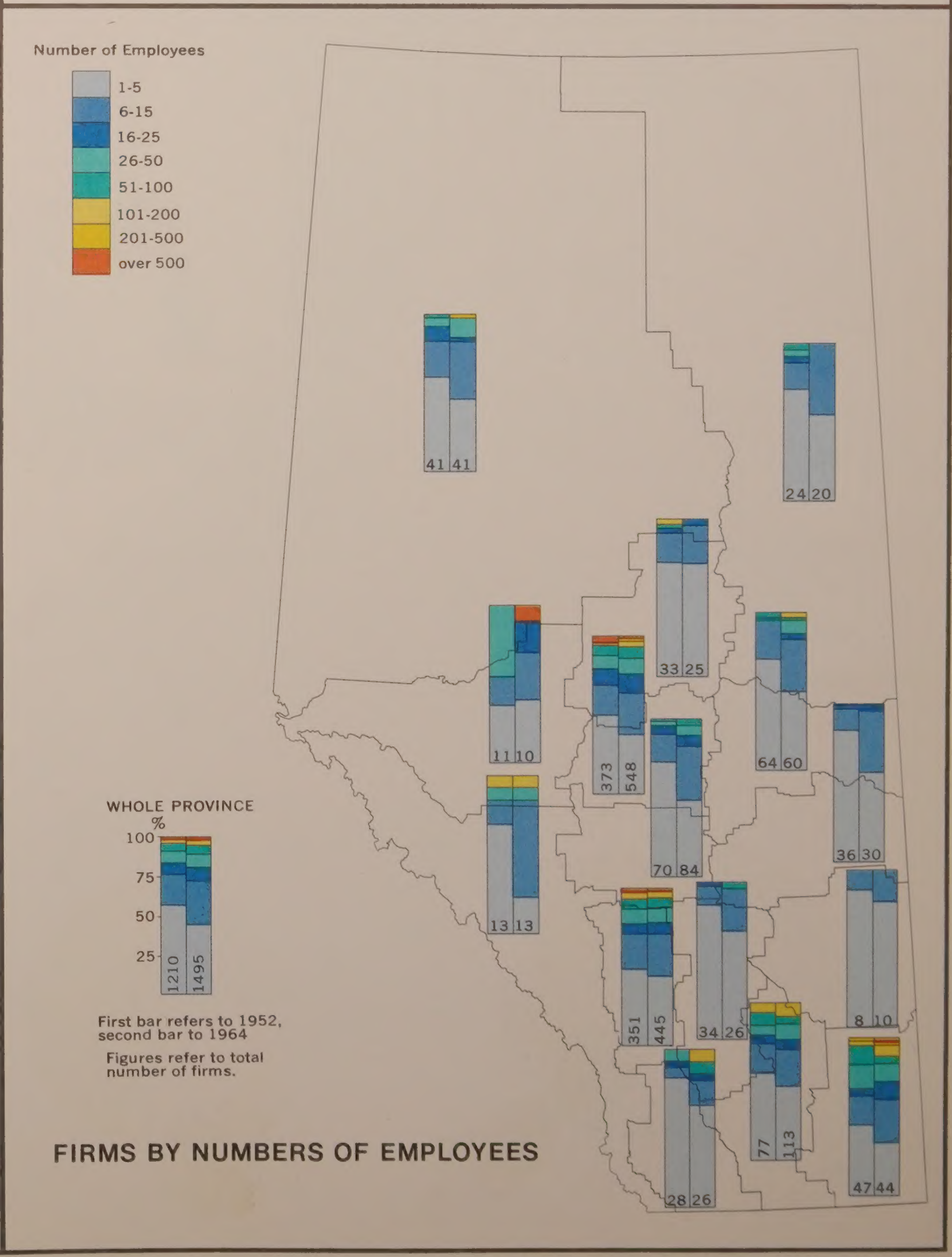
GROSS VALUE OF PRODUCTION


WESTERN CANADA
%
100
75
50
25
Saskatchewan
Manitoba
Alberta
B.C.
1920
35
50
65
1935
1950
1920
1965
Percentage of provincial total
50
25
10
5
2
Less than 0.5% of provincial total in each of the stated years.

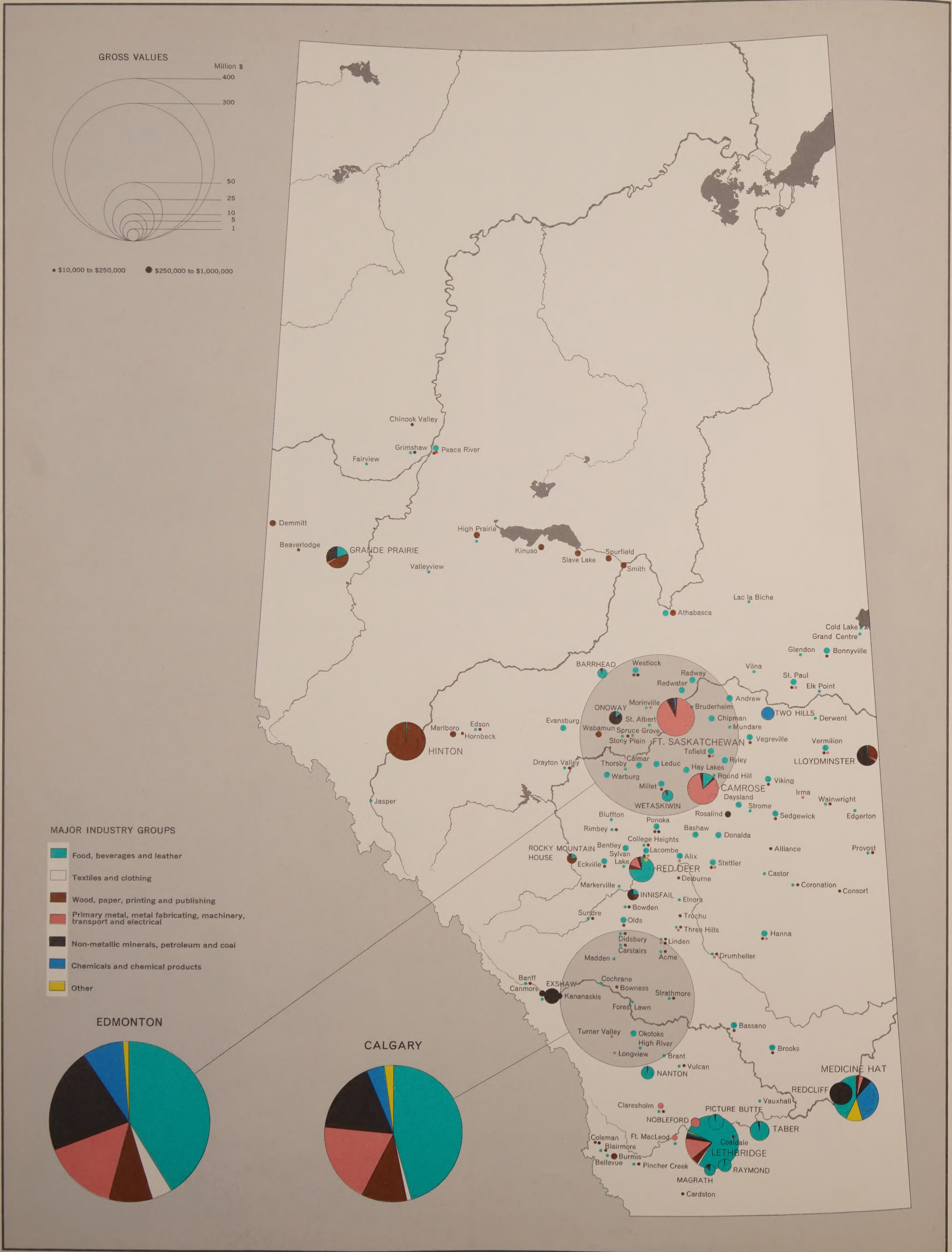
DISTRIBUTION OF GROSS VALUE


Percentage increase 1941-1961
0
500
1000
1500
2000
Each square represents a net value of 4 million dollars
1921
1941
1961
GROWTH OF NET VALUE
million dollars
500
400
300
200
100
1921
1926
1931
1936
1941
1946
1951
1956
1961

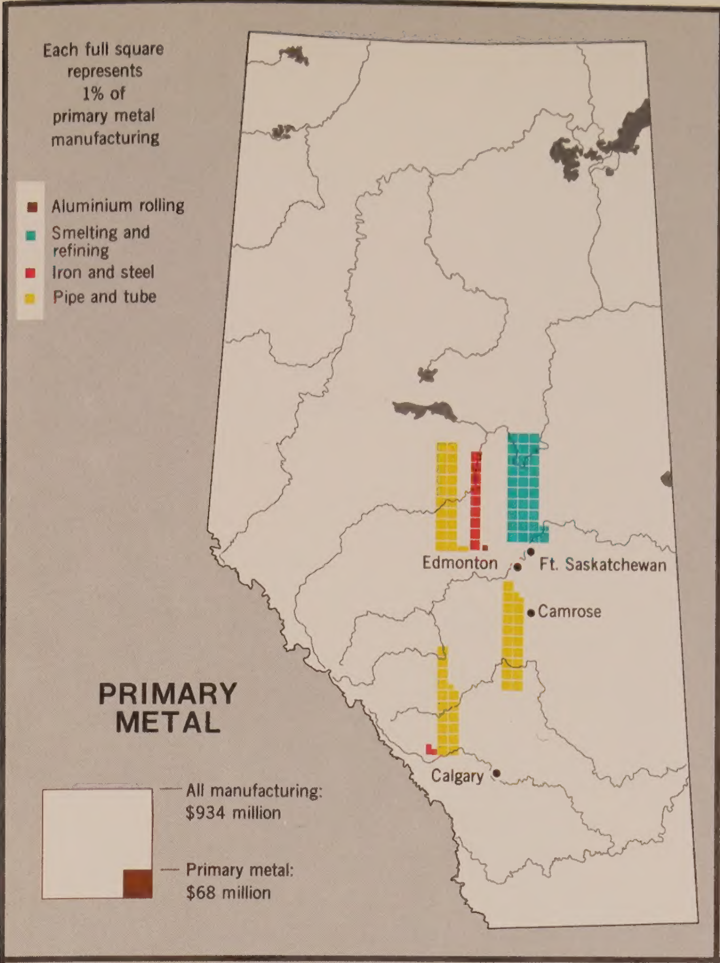
NET VALUE OF PRODUCTION

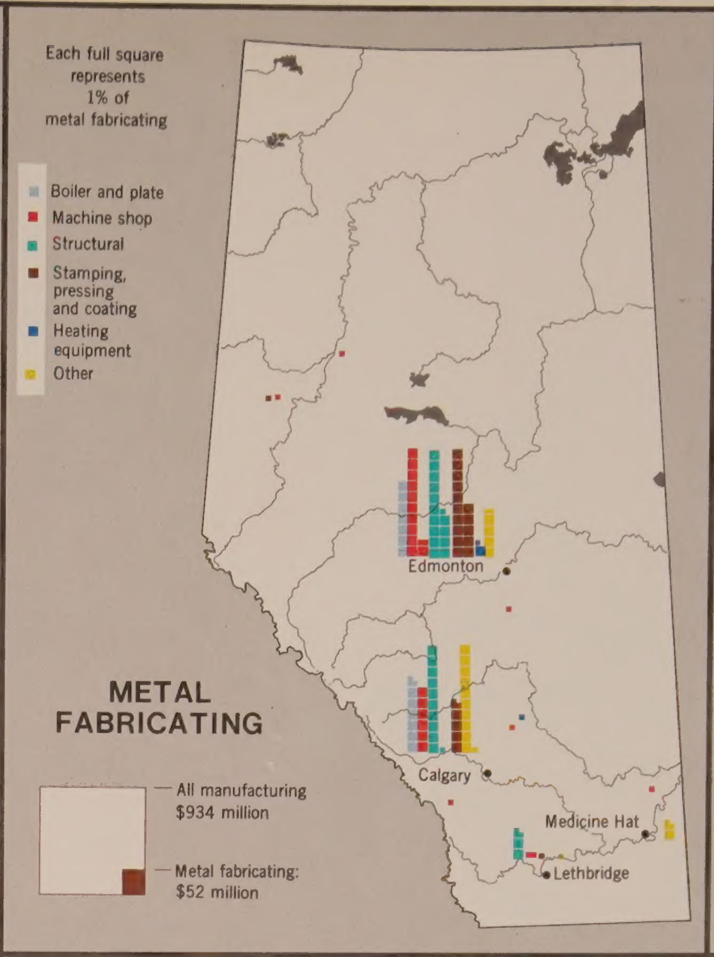

Number of Employees
1-5
6-15
16-25
26-50
51-100
101-200
201-500
over 500
41 41
24 20
33 25
11 10
373 548
64 60
70 84
36 30
13 13
351 445
34 26
8 10
28 26
77 113
47 44
WHOLE PROVINCE
%
100
75
50
25
1210
1495
First bar refers to 1952, second bar to 1964
Figures refer to total number of firms.

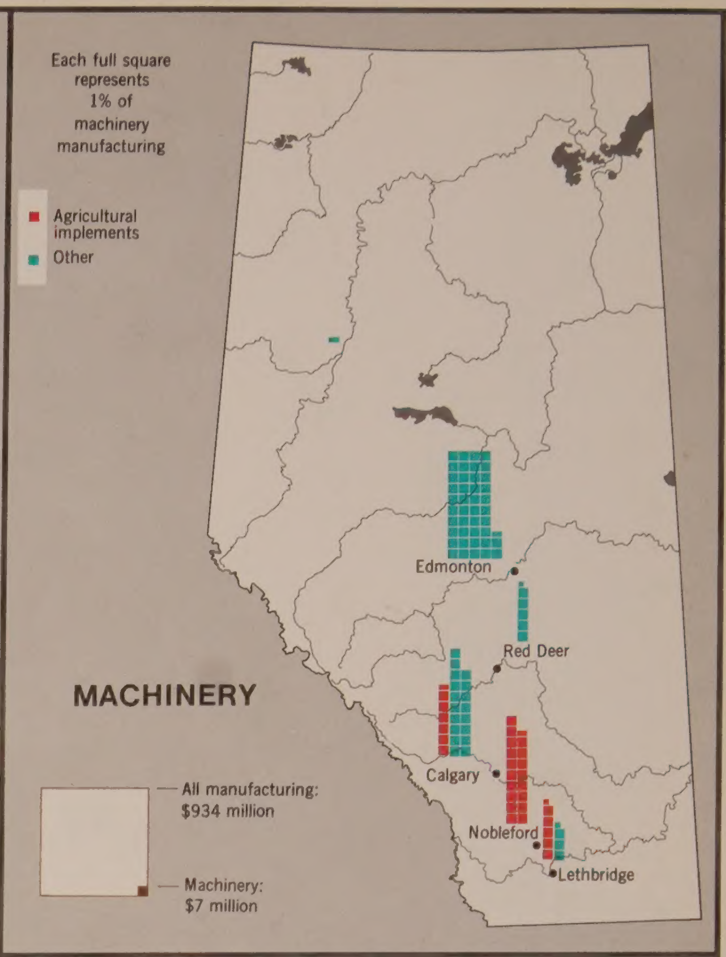
FIRMS BY NUMBERS OF EMPLOYEES

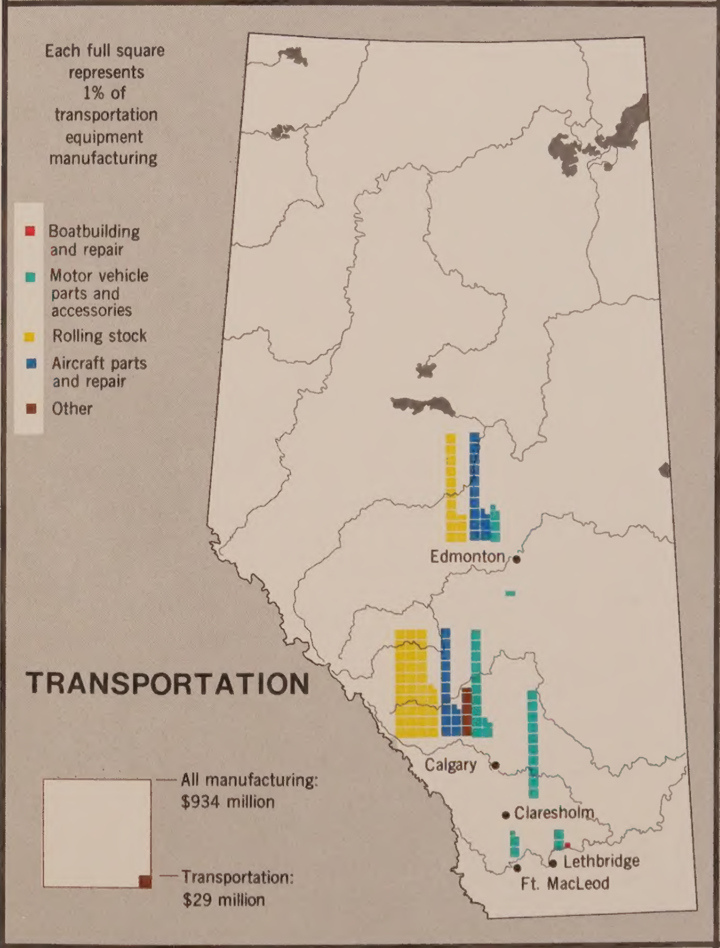

GROSS VALUES
Million $
400
300
50
25
10
5
1
$10,000 to $250,000
$250,000 to $1,000,000
MAJOR INDUSTRY GROUPS
Food, beverages and leather
Textiles and clothing
Wood, paper, printing and publishing
Primary metal, metal fabricating, machinery, transport and electrical
Non-metallic minerals, petroleum and coal
Chemicals and chemical products
Other
EDMONTON
CALGARY
Chinook Valley
Grimshaw
Peace River
Fairview
Demmitt
Beaverlodge
GRANDE PRAIRIE
Valleyview
High Prairie
Kinuso
Slave Lake
Spurfield
Smith
Lac la Biche
Athabasca
Cold Lake
Grand Centre
Glendon
Bonnyville
BARRHEAD
Westlock
Radway
Redwater
Vilna
St. Paul
Elk Point
Andrew
Morinville
Bruderheim
ONOWAY
St. Albert
Chipman
TWO HILLS
Derwent
Mundare
Wabamun
Spruce Grove
Stony Plain
FT. SASKATCHEWAN
Vegreville
Vermilion
Evansburg
Marlboro
Edson
Hornbeck
HINTON
Tofield
Calmar
Ryley
LLOYDMINSTER
Drayton Valley
Thorsby
Leduc
Hay Lakes
Warburg
Round Hill
Viking
Millet
CAMROSE
Irma
Daysland
Wainwright
WETASKIWIN
Strome
Jasper
Rosalind
Sedgewick
Edgerton
Bluffton
Ponoka
Rimbey
Bashaw
Donalda
College Heights
ROCKY MOUNTAIN HOUSE
Bentley
Sylvan Lake
Lacombe
Alliance
Provost
Alix
Eckville
Stettler
RED DEER
Delburne
Castor
Markerville
Coronation
Consort
INNISFAIL
Elnora
Bowden
Sundre
Trochu
Olds
Three Hills
Hanna
Didsbury
Carstairs
Linden
Acme
Madden
Drumheller
Banff
Canmore
EXSHAW
Kananaskis
Cochrane
Bowness
Strathmore
Forest Lawn
Bassano
Turner Valley
Okotoks
High River
Brooks
Longview
Brant
Vulcan
NANTON
MEDICINE HAT
REDCLIFF
Vauxhall
Claresholm
PICTURE BUTTE
NOBLEFORD
TABER
Coleman
Ft. MacLeod
Blairmore
Coaldale
Burmis
LETHBRIDGE
Bellevue
Pincher Creek
RAYMOND
MAGRATH
Cardston

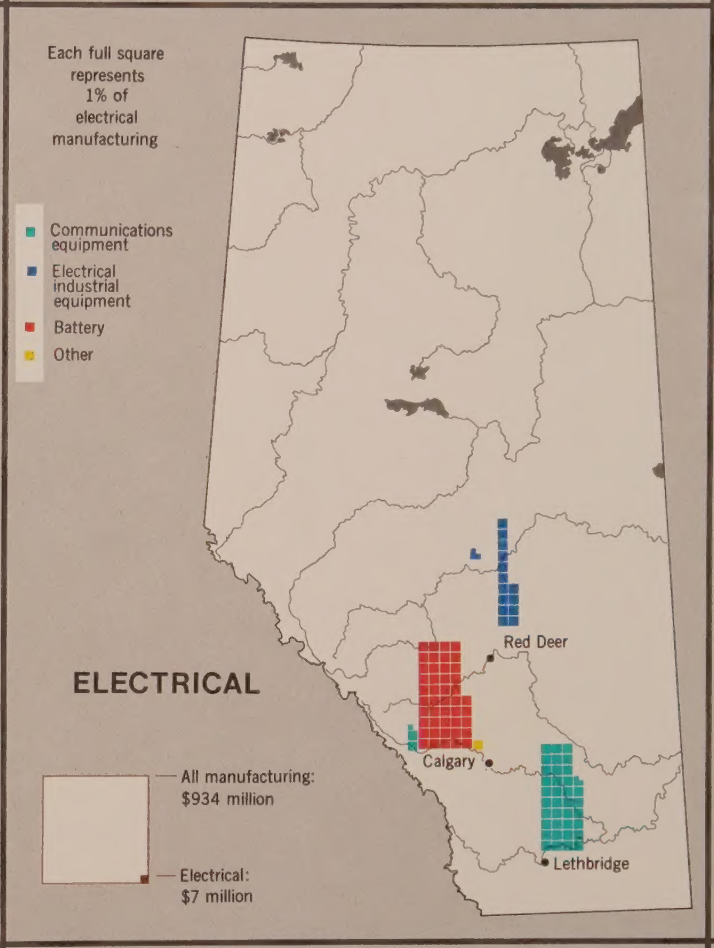
Gross value of production, 1961

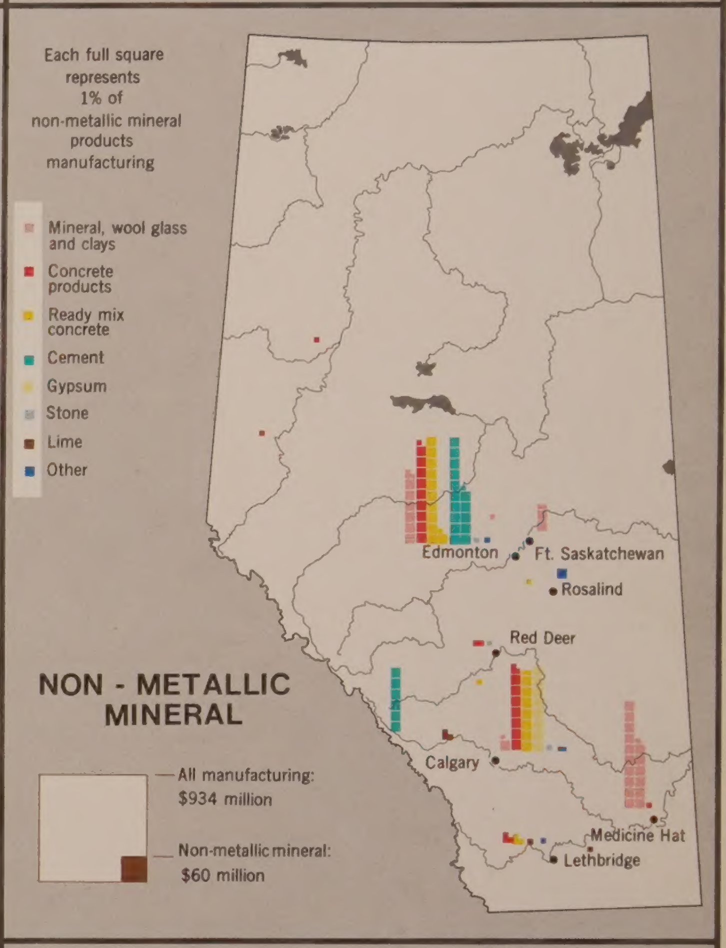

Each full square represents 1% of primary metal manufacturing
Aluminium rolling
Smelting and refining
Iron and steel
Pipe and tube
Edmonton
Ft. Saskatchewan
Camrose
Calgary
PRIMARY METAL
All manufacturing: $934 million
Primary metal: $68 million

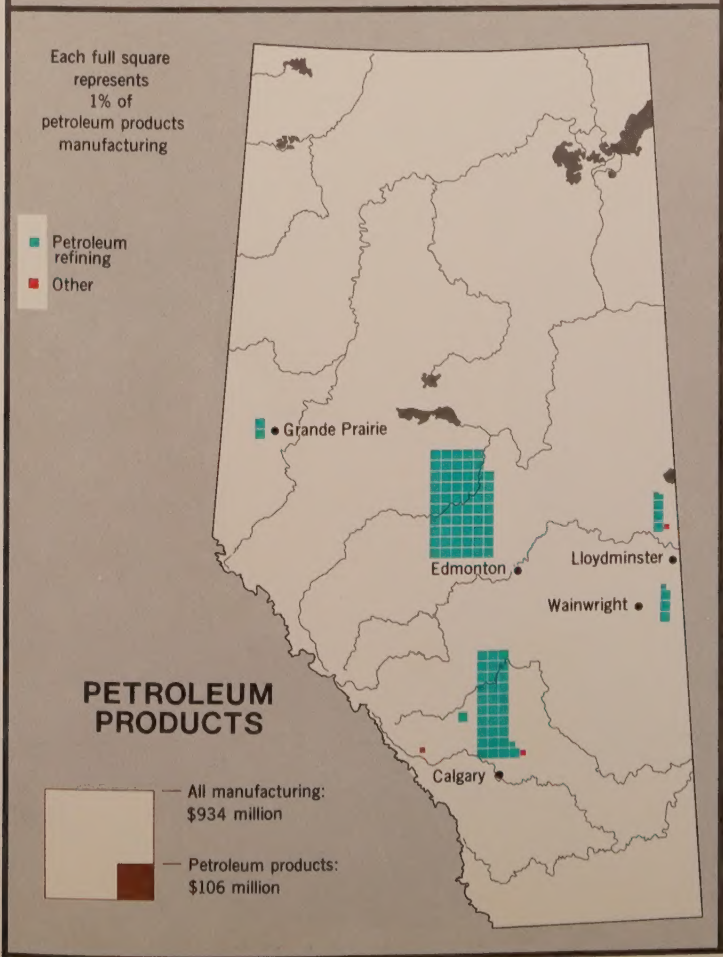

Each full square represents 1% of metal fabricating
Boiler and plate
Machine shop
Structural
Stamping, pressing and coating
Heating equipment
Other
Edmonton
Calgary
Medicine Hat
Lethbridge
METAL FABRICATING
All manufacturing: $934 million
Metal fabricating: $52 million

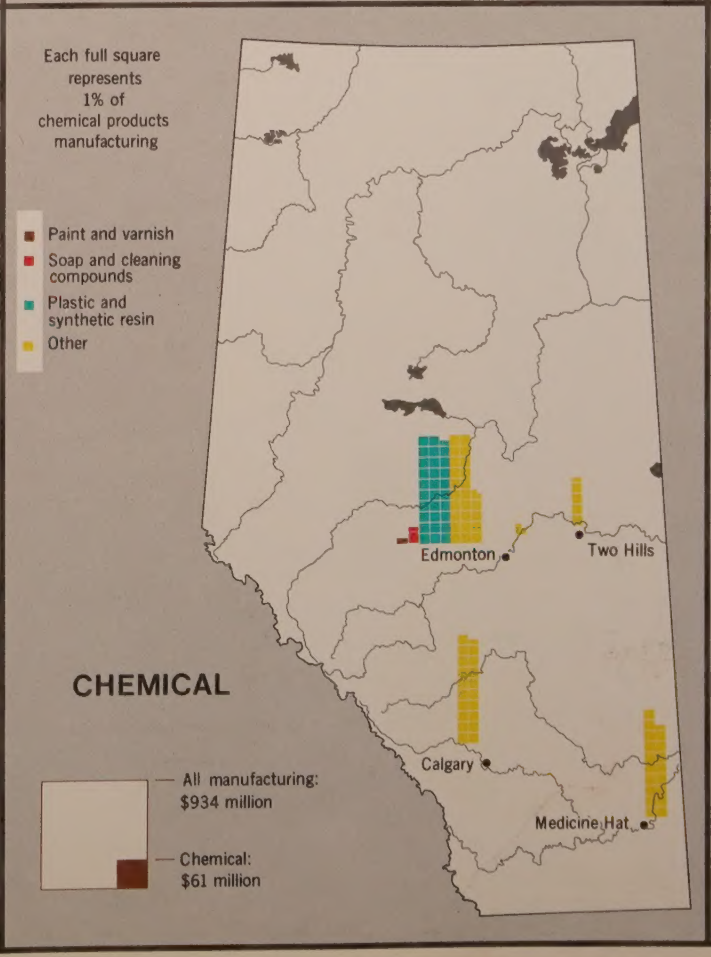

Each full square represents 1% of machinery manufacturing
Agricultural implements
Other
Edmonton
Red Deer
Calgary
Nobleford
Lethbridge
MACHINERY
All manufacturing: $934 million
Machinery: $7 million

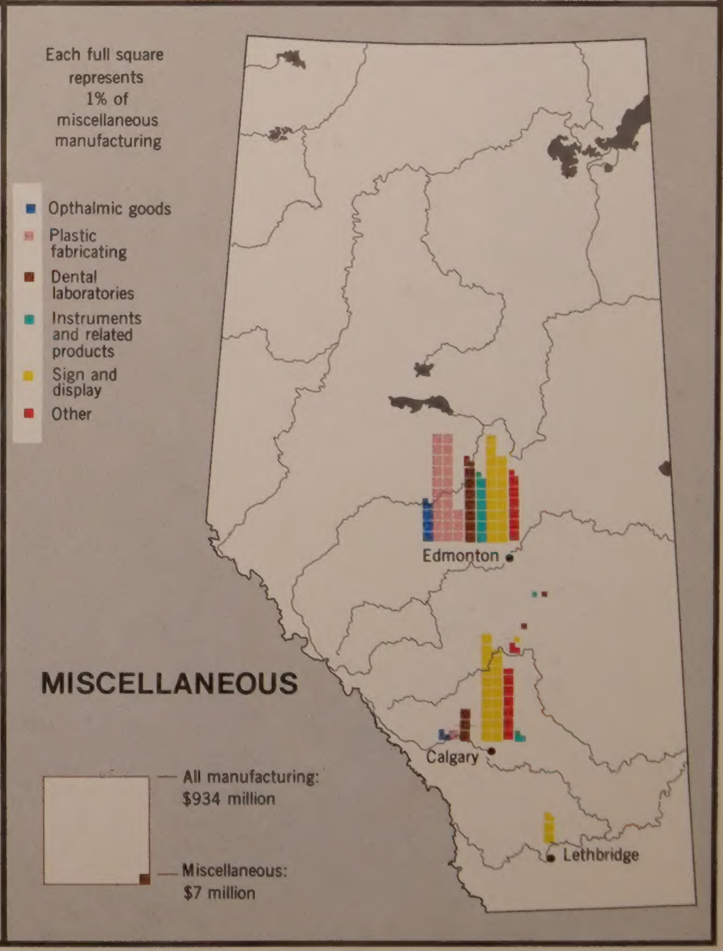

Each full square represents 1% of transportation equipment manufacturing
Boatbuilding and repair
Motor vehicle parts and accessories
Rolling stock
Aircraft parts and repair
Other
Edmonton
TRANSPORTATION
Calgary
Claresholm
Lethbridge
Ft. MacLeod
All manufacturing: $934 million
Transportation: $29 million


Each full square represents 1% of electrical manufacturing
Communications equipment
Electrical industrial equipment
Battery
Other
Red Deer
ELECTRICAL
Calgary
Lethbridge
All manufacturing: $934 million
Electrical: $7 million

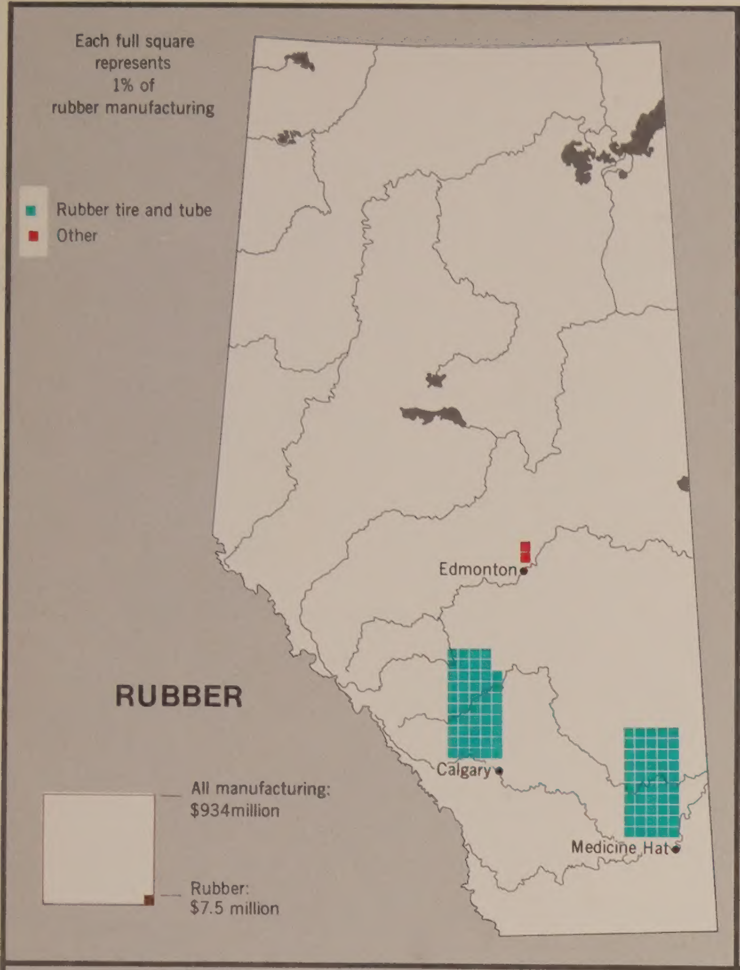

Each full square represents 1% of non-metallic mineral products manufacturing
Mineral, wool glass and clays
Concrete products
Ready mix concrete
Cement
Gypsum
Stone
Lime
Other
Edmonton
Ft. Saskatchewan
Rosalind
Red Deer
NON - METALLIC MINERAL
Calgary
Medicine Hat
Lethbridge
All manufacturing: $934 million
Non-metallic mineral: $60 million

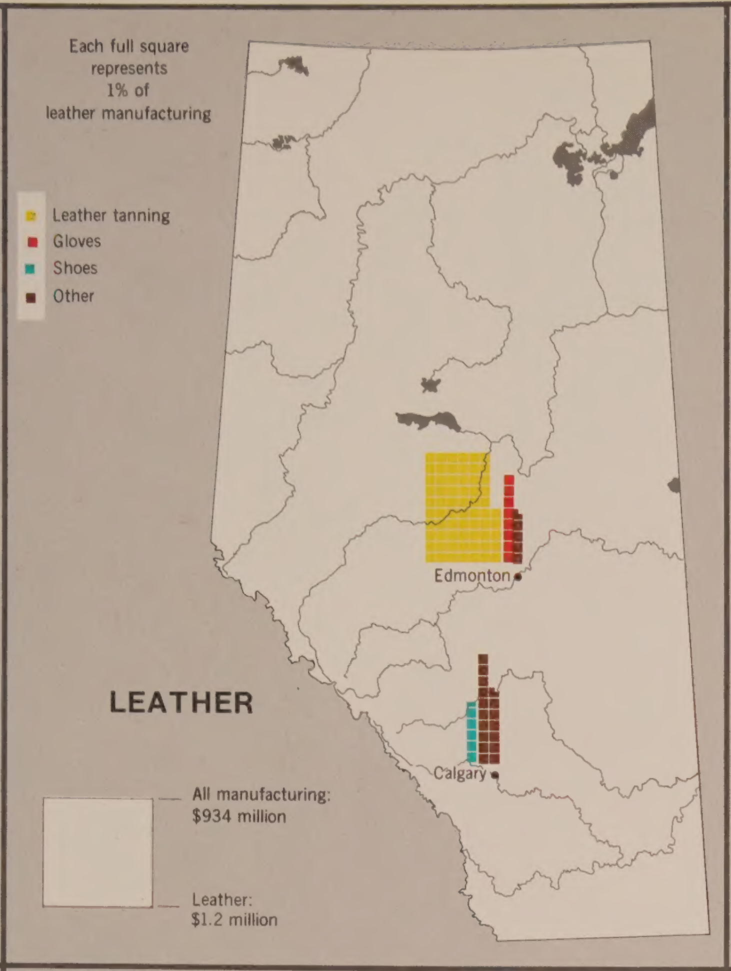

Each full square represents 1% of petroleum products manufacturing
Petroleum refining
Other
Grande Prairie
Edmonton
Lloydminster
Wainwright
PETROLEUM PRODUCTS
Calgary
All manufacturing: $934 million
Petroleum products: $106 million

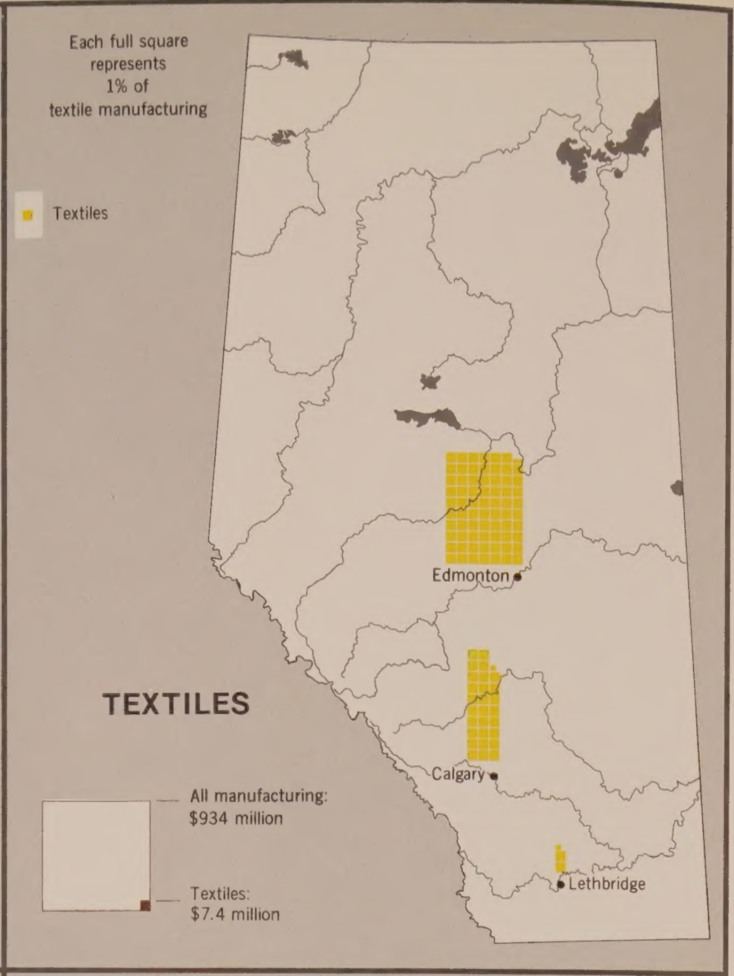

Each full square represents 1% of chemical products manufacturing
Paint and varnish
Soap and cleaning compounds
Plastic and synthetic resin
Other
Edmonton
Two Hills
CHEMICAL
Calgary
Medicine Hat
All manufacturing: $934 million
Chemical: $61 million

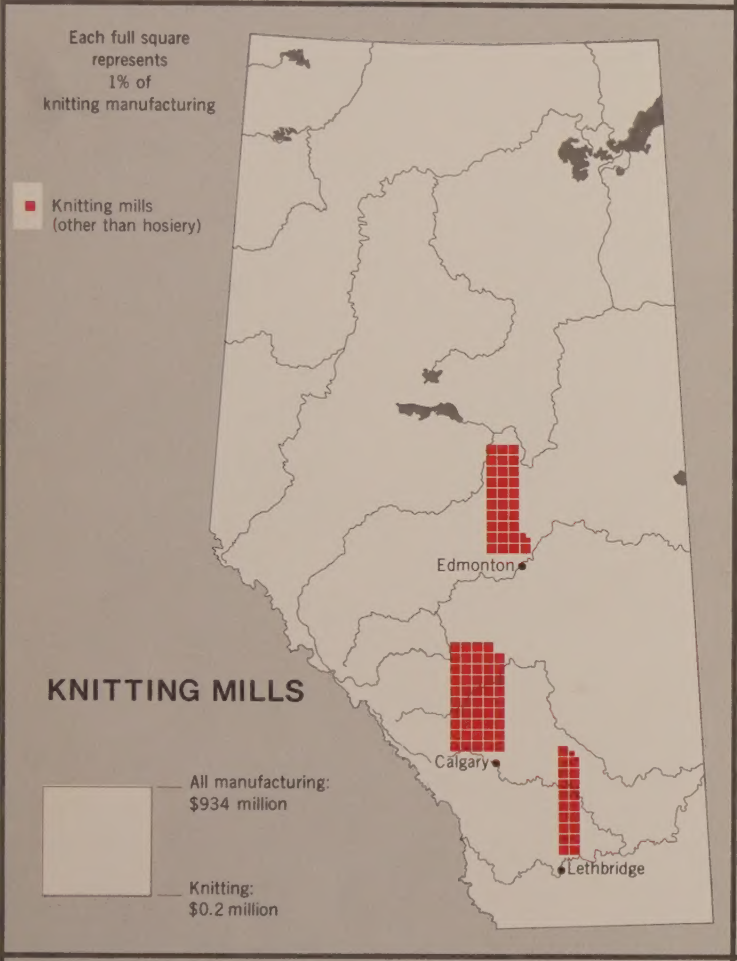

Each full square represents 1% of miscellaneous manufacturing
Opthalmic goods
Plastic fabricating
Dental laboratories
Instruments and related products
Sign and display
Other
Edmonton
MISCELLANEOUS
Calgary
Lethbridge
All manufacturing: $934 million
Miscellaneous: $7 million

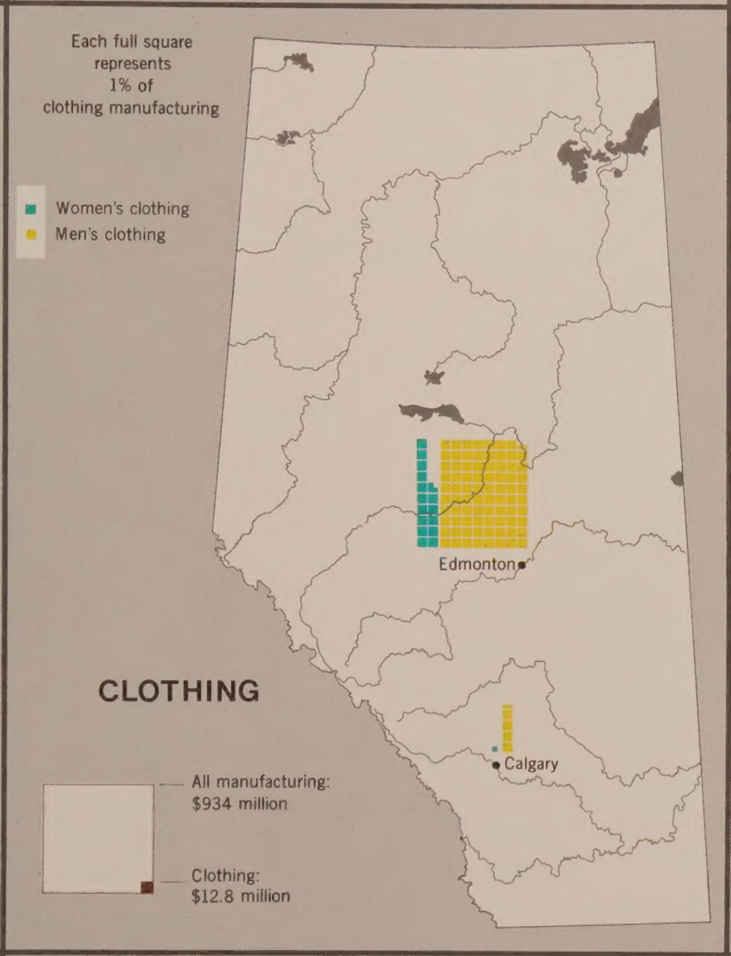
MANUFACTURING INDUSTRIES Gross value of production, 1961

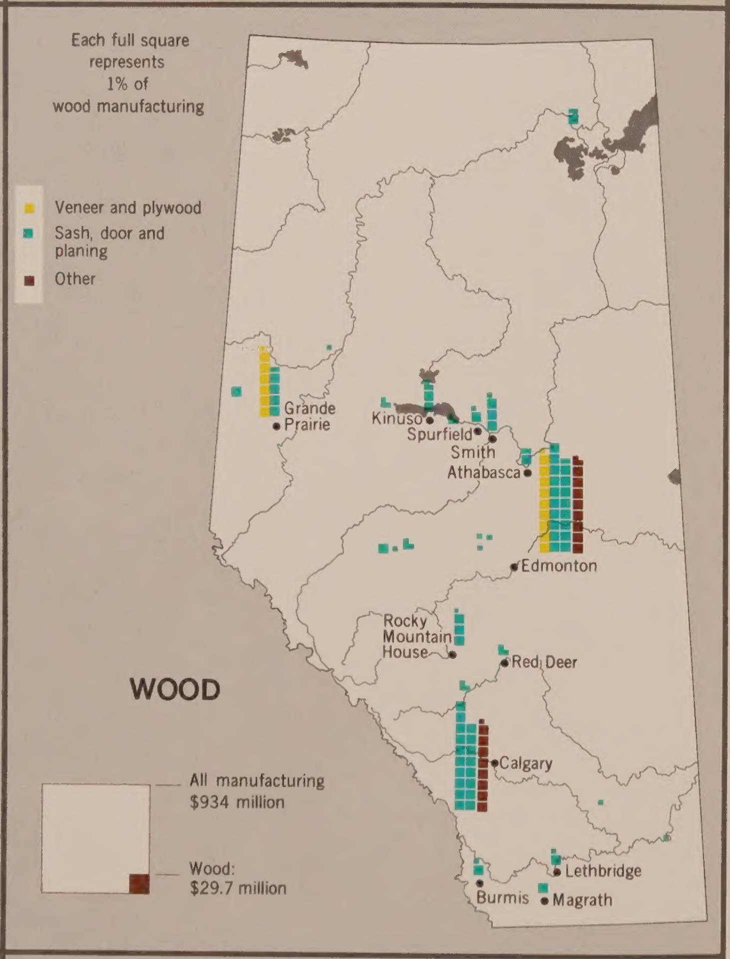

RUBBER
Each full square represents 1% of rubber manufacturing
🟦 Rubber tire and tube
🟥 Other
Edmonton
Calgary
Medicine Hat
All manufacturing: $934million
Rubber: $7.5 million

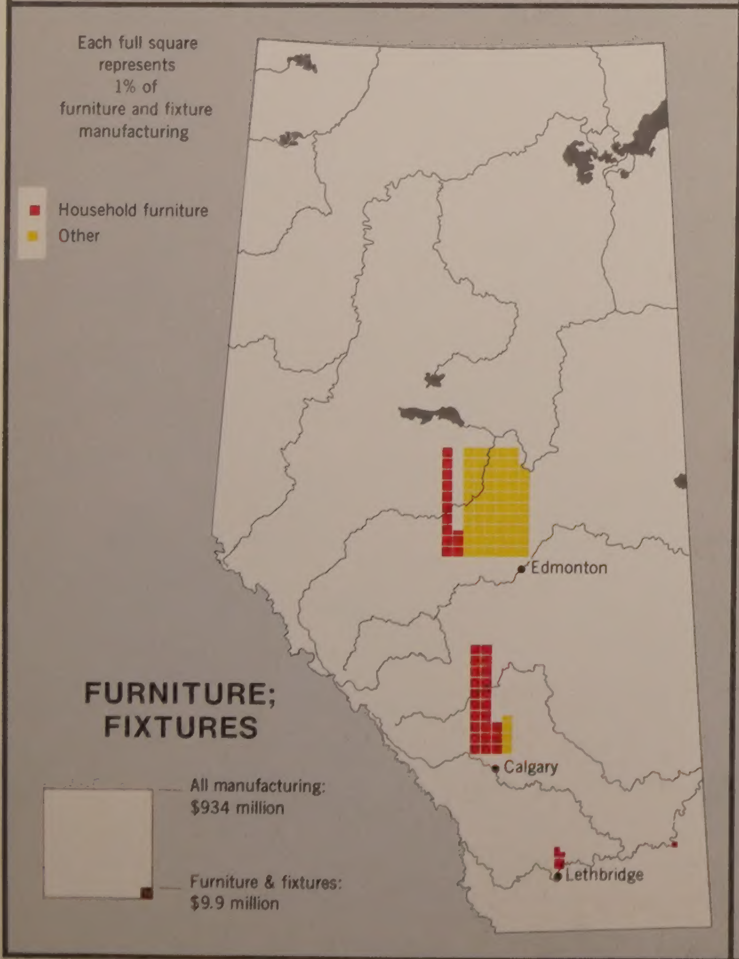

LEATHER
Each full square represents 1% of leather manufacturing
🟨 Leather tanning
🟥 Gloves
🟦 Shoes
🟫 Other
Edmonton
Calgary
All manufacturing: $934 million
Leather: $1.2 million

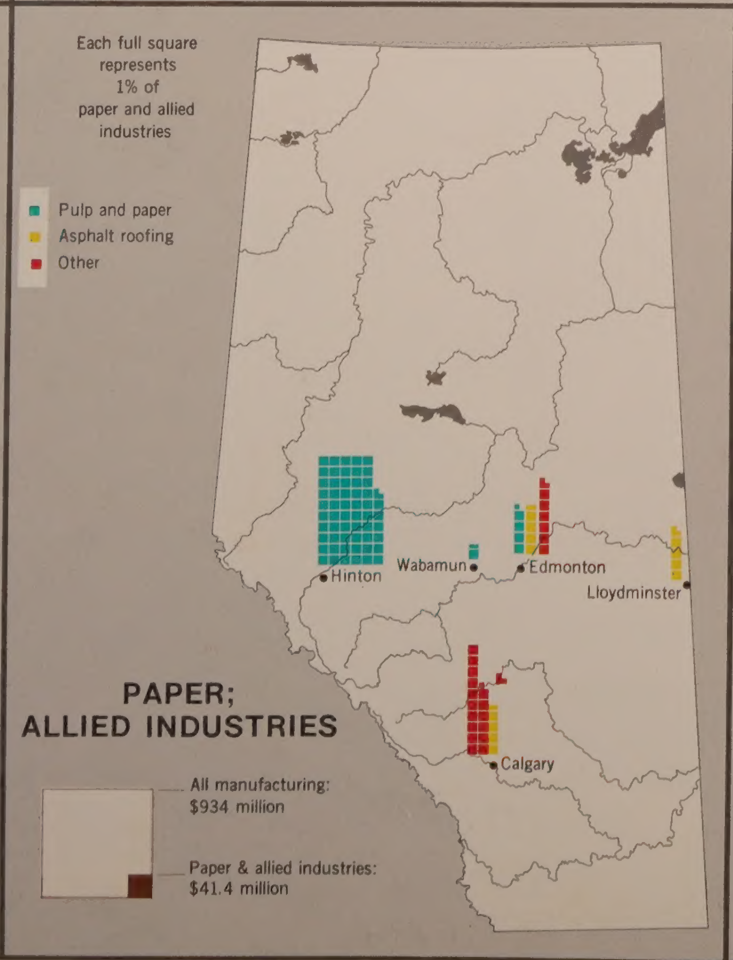

TEXTILES
Each full square represents 1% of textile manufacturing
🟨 Textiles
Edmonton
Calgary
Lethbridge
All manufacturing: $934 million
Textiles: $7.4 million

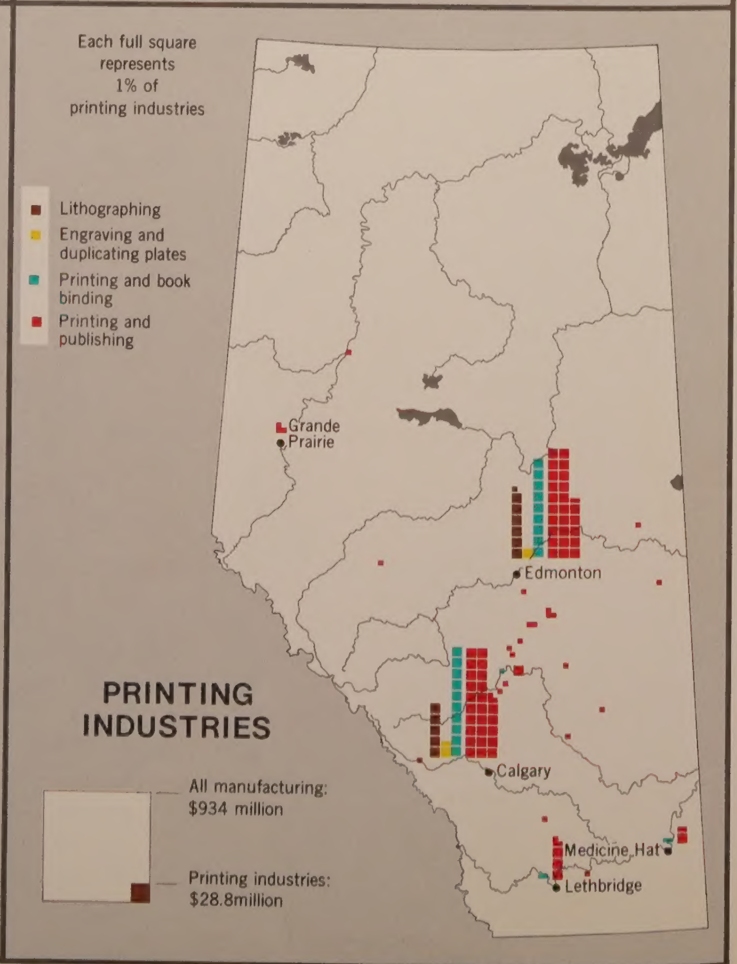

KNITTING MILLS
Each full square represents 1% of knitting manufacturing
🟥 Knitting mills (other than hosiery)
Edmonton
Calgary
Lethbridge
All manufacturing: $934 million
Knitting: $0.2 million


CLOTHING
Each full square represents 1% of clothing manufacturing
🟦 Women's clothing
🟨 Men's clothing
Edmonton
Calgary
All manufacturing: $934 million
Clothing: $12.8 million

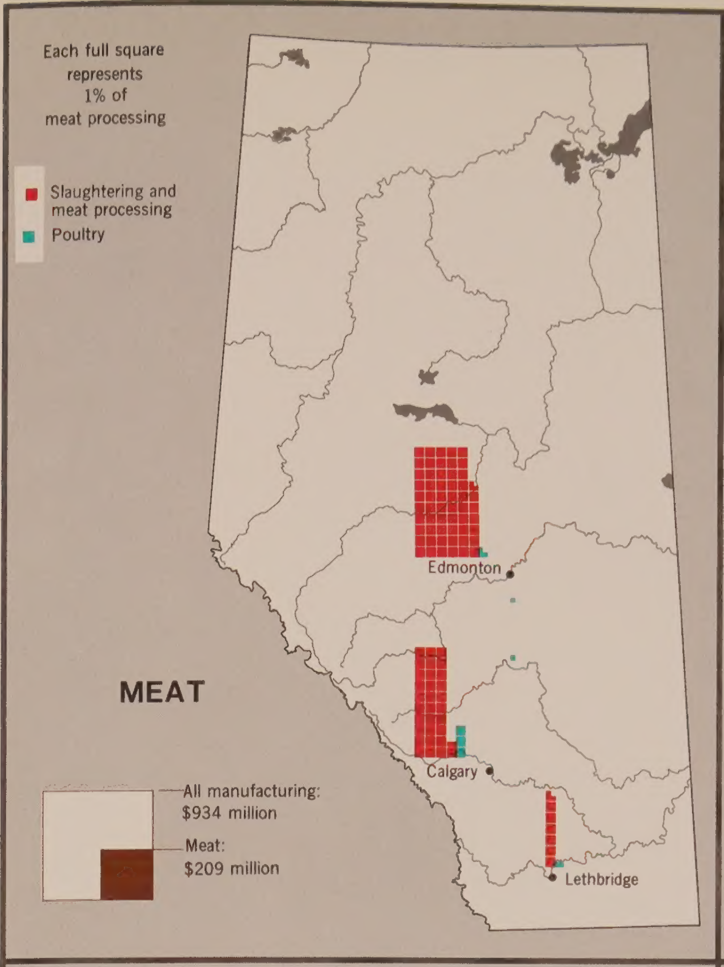

WOOD
Each full square represents 1% of wood manufacturing
🟨 Veneer and plywood
🟦 Sash, door and planing
🟫 Other
Grande Prairie
Kinuso
Spurfield
Smith
Athabasca
Edmonton
Rocky Mountain House
Red Deer
Calgary
Lethbridge
Burmis
Magrath
All manufacturing $934 million
Wood: $29.7 million

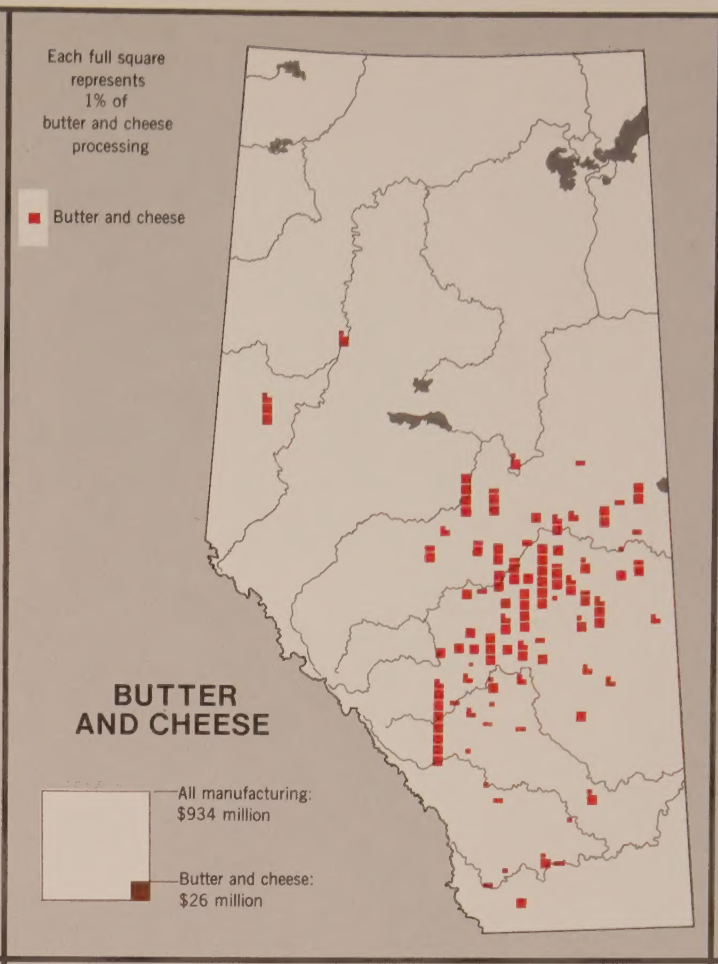

FURNITURE; FIXTURES
Each full square represents 1% of furniture and fixture manufacturing
🟥 Household furniture
🟨 Other
Edmonton
Calgary
Lethbridge
All manufacturing: $934 million
Furniture & fixtures: $9.9 million

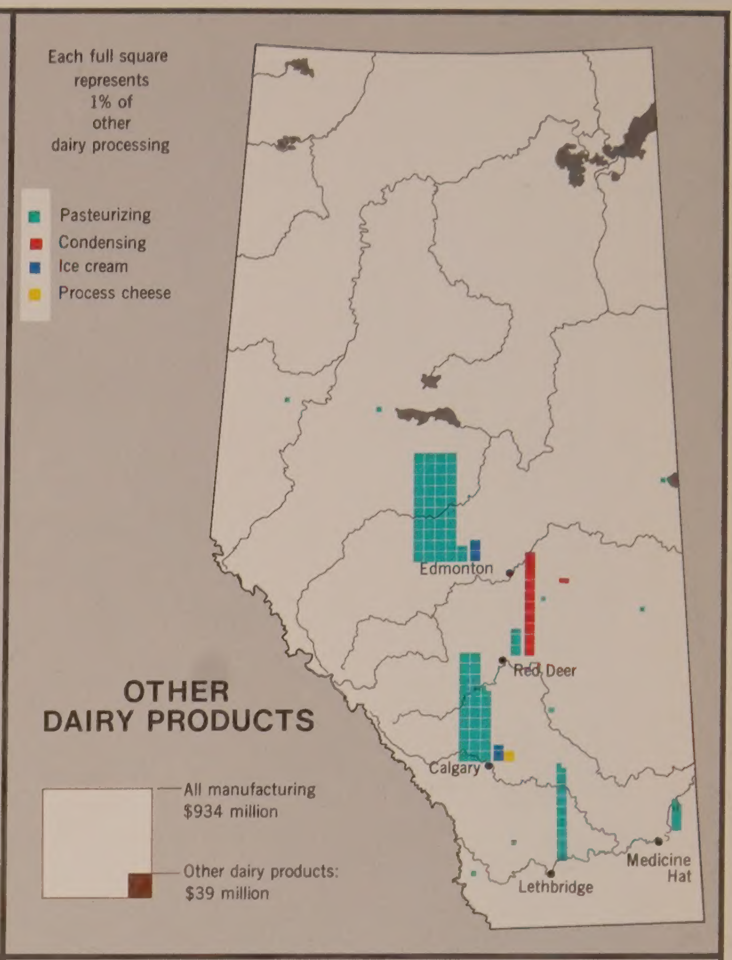

PAPER; ALLIED INDUSTRIES
Each full square represents 1% of paper and allied industries
🟦 Pulp and paper
🟨 Asphalt roofing
🟥 Other
Hinton
Wabamun
Edmonton
Lloydminster
Calgary
All manufacturing: $934 million
Paper & allied industries: $41.4 million

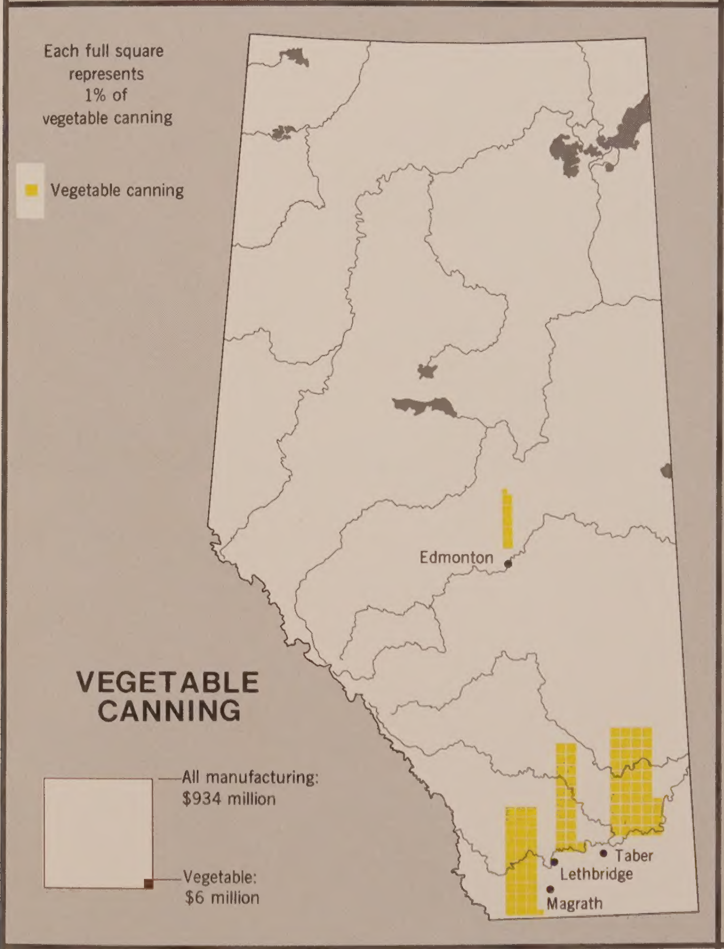

PRINTING INDUSTRIES
Each full square represents 1% of printing industries
🟫 Lithographing
🟨 Engraving and duplicating plates
🟦 Printing and book binding
🟥 Printing and publishing
Grande Prairie
Edmonton
Calgary
Medicine Hat
Lethbridge
All manufacturing: $934 million
Printing industries: $28.8million

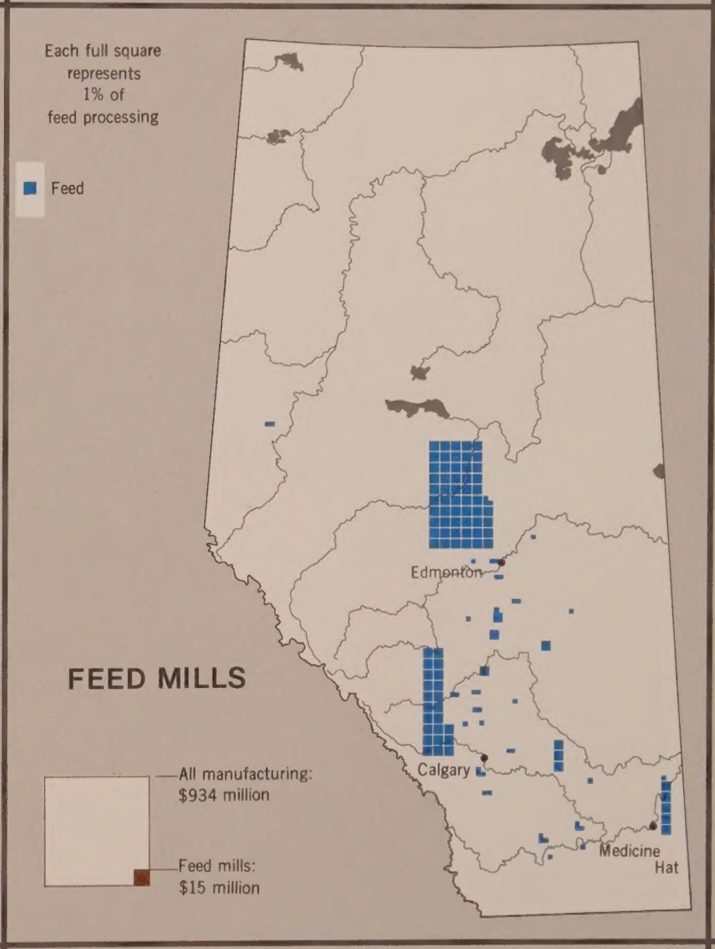
Gross value of production, 1961

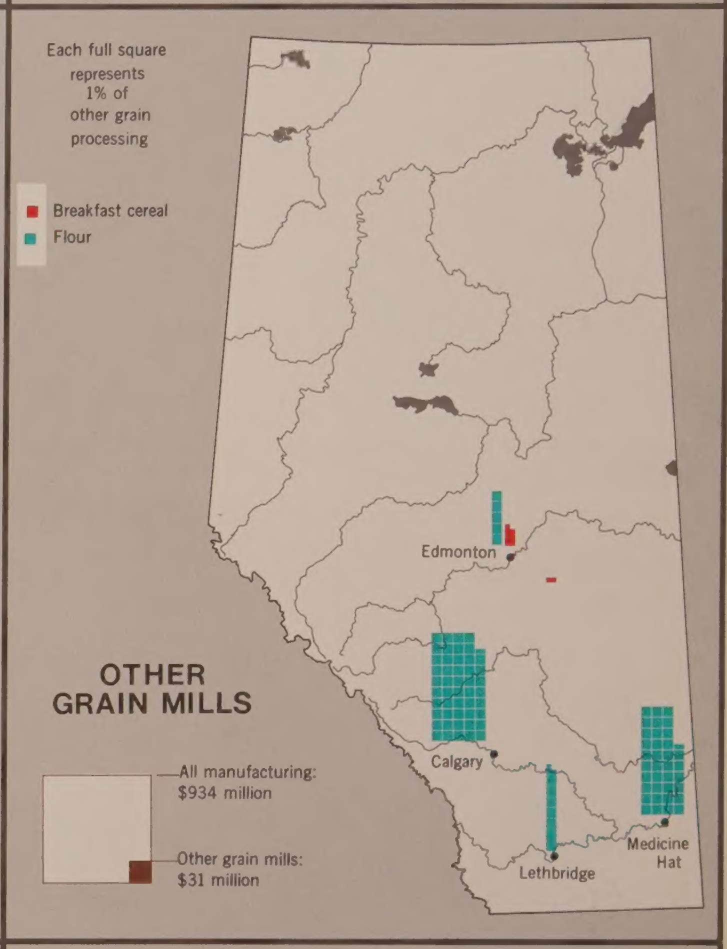

Each full square represents 1% of meat processing
🟥 Slaughtering and meat processing
🟩 Poultry
MEAT
Edmonton
Calgary
Lethbridge
All manufacturing: $934 million
Meat: $209 million

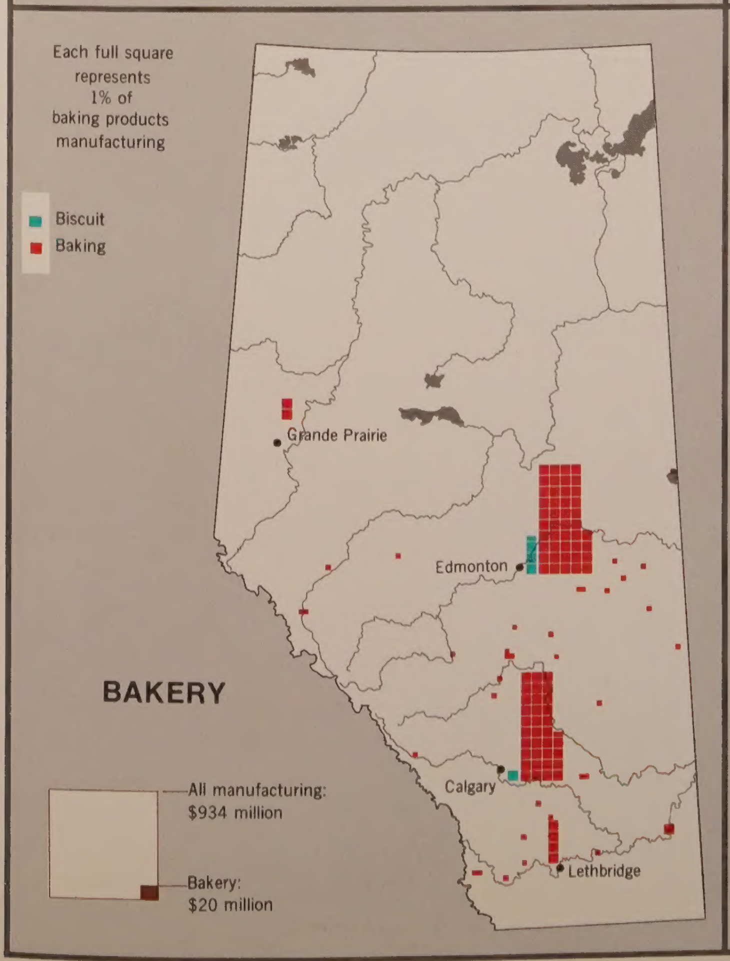

Each full square represents 1% of butter and cheese processing
🟥 Butter and cheese
BUTTER AND CHEESE
All manufacturing: $934 million
Butter and cheese: $26 million

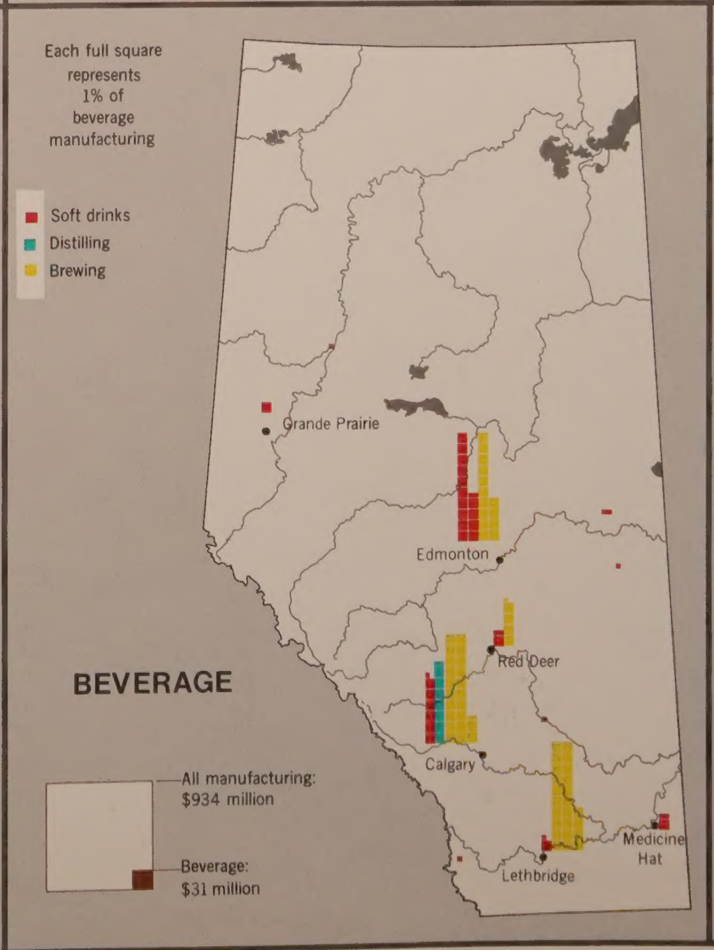

Each full square represents 1% of other dairy processing
🟩 Pasteurizing
🟥 Condensing
🟦 Ice cream
🟨 Process cheese
OTHER DAIRY PRODUCTS
Edmonton
Red Deer
Calgary
Lethbridge
Medicine Hat
All manufacturing $934 million
Other dairy products: $39 million

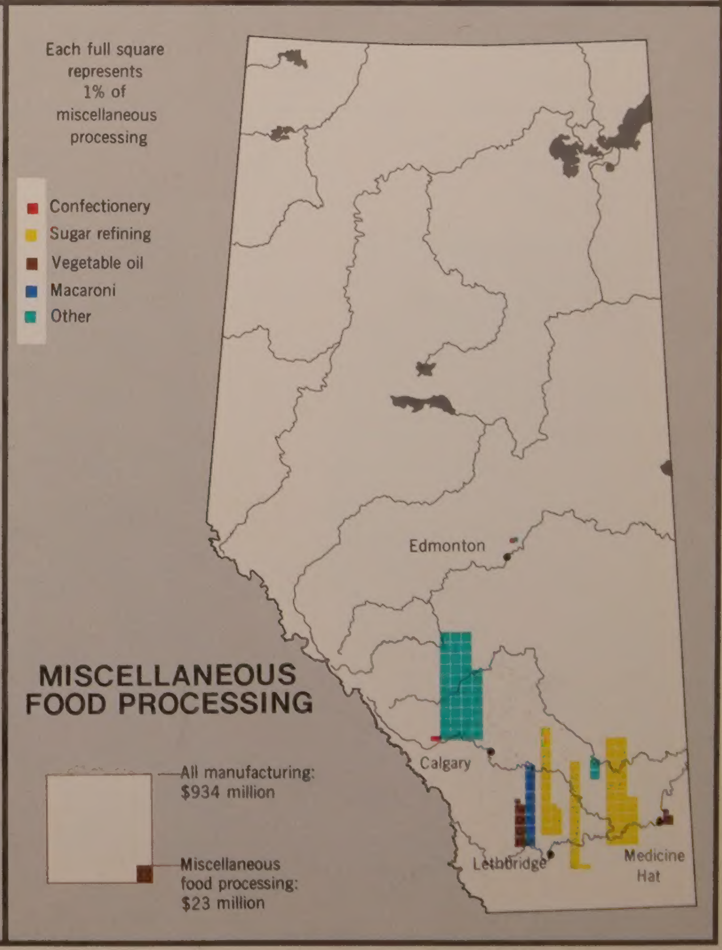

Each full square represents 1% of vegetable canning
🟨 Vegetable canning
VEGETABLE CANNING
Edmonton
Taber
Lethbridge
Magrath
All manufacturing: $934 million
Vegetable: $6 million


Each full square represents 1% of feed processing
🟦 Feed
FEED MILLS
Edmonton
Calgary
Medicine Hat
All manufacturing: $934 million
Feed mills: $15 million

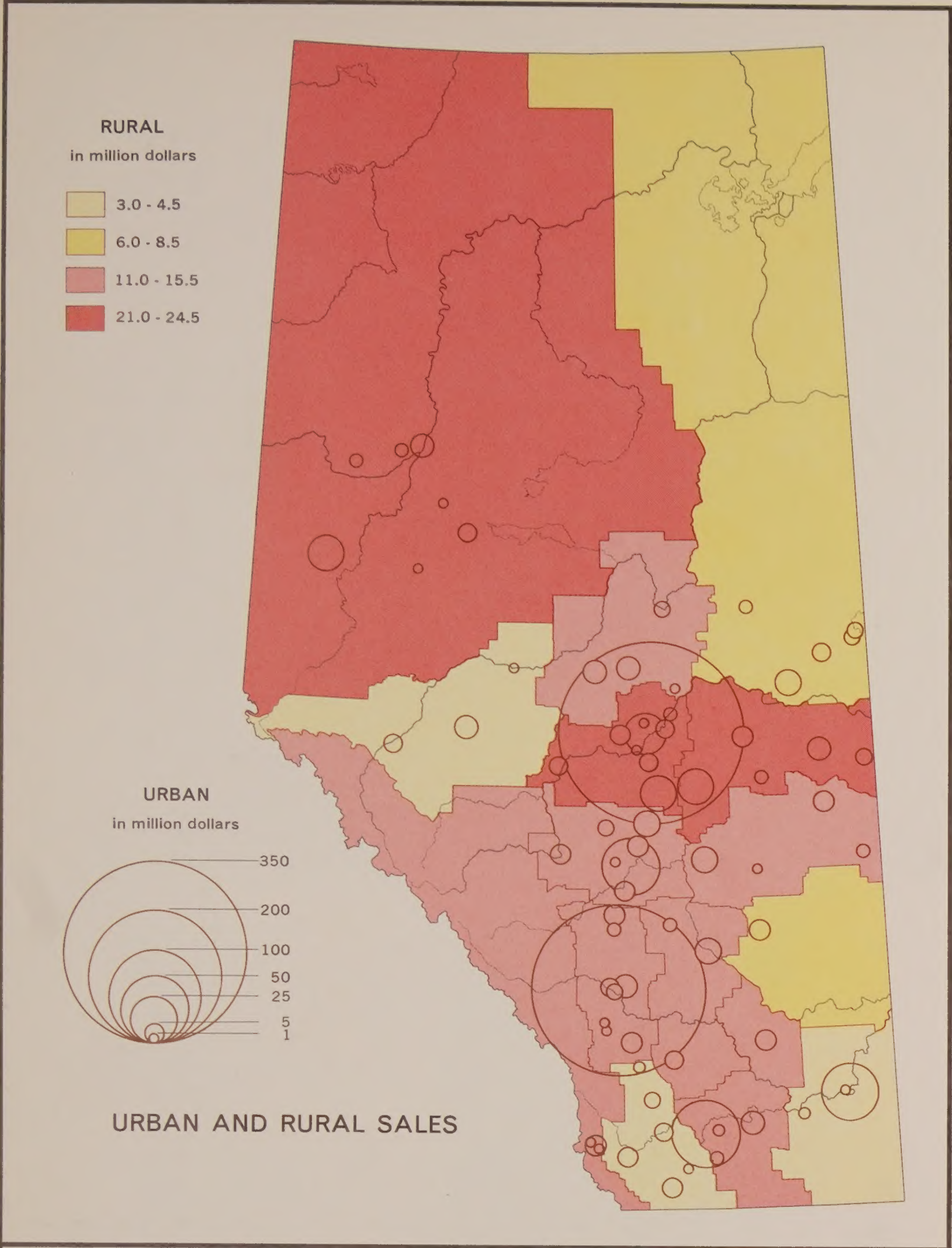

Each full square represents 1% of other grain processing
🟥 Breakfast cereal
🟩 Flour
OTHER GRAIN MILLS
Edmonton
Calgary
Lethbridge
Medicine Hat
All manufacturing: $934 million
Other grain mills: $31 million


Each full square represents 1% of baking products manufacturing
🟩 Biscuit
🟥 Baking
BAKERY
Grande Prairie
Edmonton
Calgary
Lethbridge
All manufacturing: $934 million
Bakery: $20 million

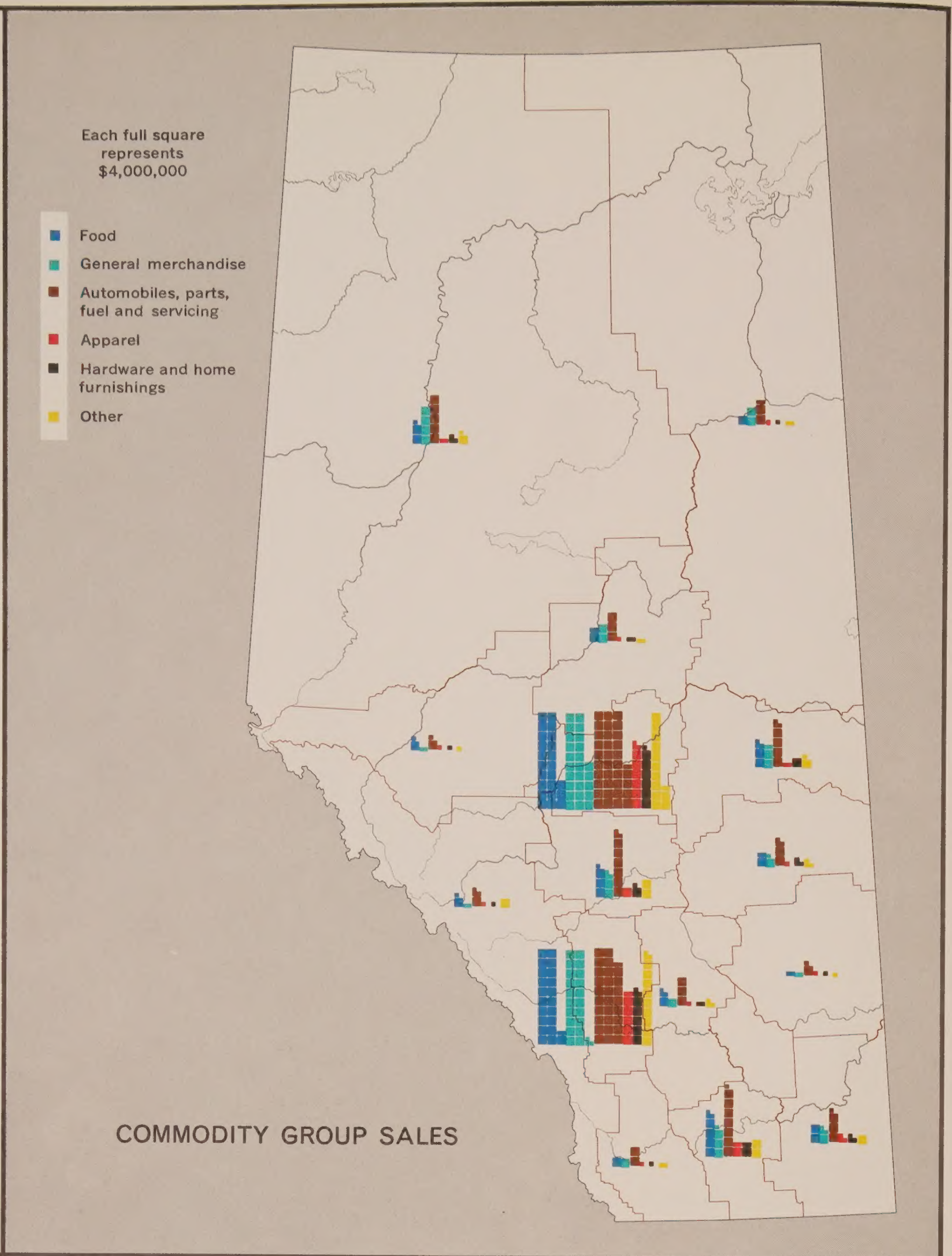

Each full square represents 1% of beverage manufacturing
🟥 Soft drinks
🟩 Distilling
🟨 Brewing
BEVERAGE
Grande Prairie
Edmonton
Red Deer
Calgary
Lethbridge
Medicine Hat
All manufacturing: $934 million
Beverage: $31 million


Each full square represents 1% of miscellaneous processing
🟥 Confectionery
🟨 Sugar refining
🟫 Vegetable oil
🟦 Macaroni
🟩 Other
MISCELLANEOUS FOOD PROCESSING
Edmonton
Calgary
Lethbridge
Medicine Hat
All manufacturing: $934 million
Miscellaneous food processing: $23 million

RETAIL SALES, 1961

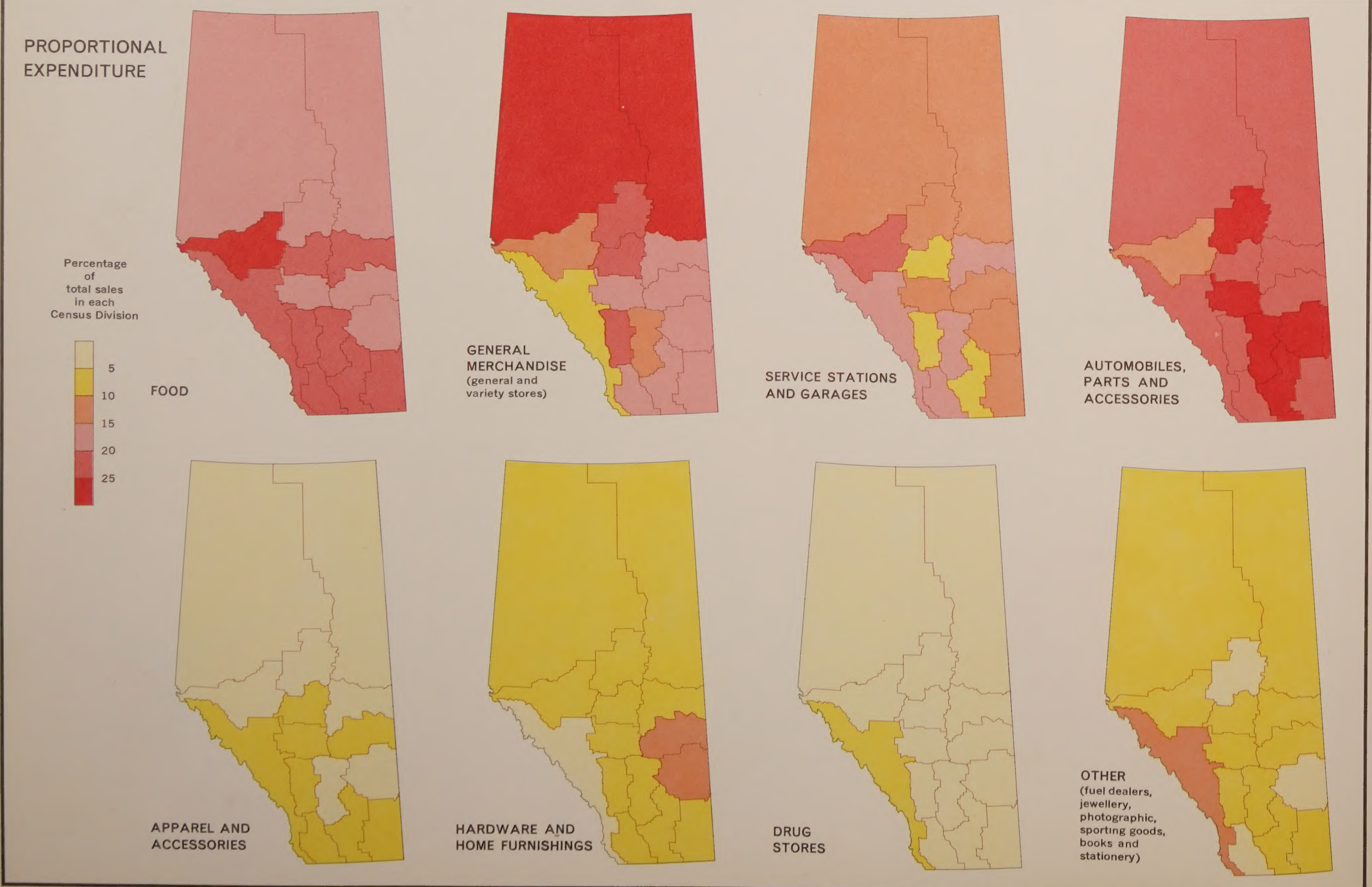

RURAL
in million dollars
3.0 - 4.5
6.0 - 8.5
11.0 - 15.5
21.0 - 24.5
URBAN
in million dollars
350
200
100
50
25
5
1

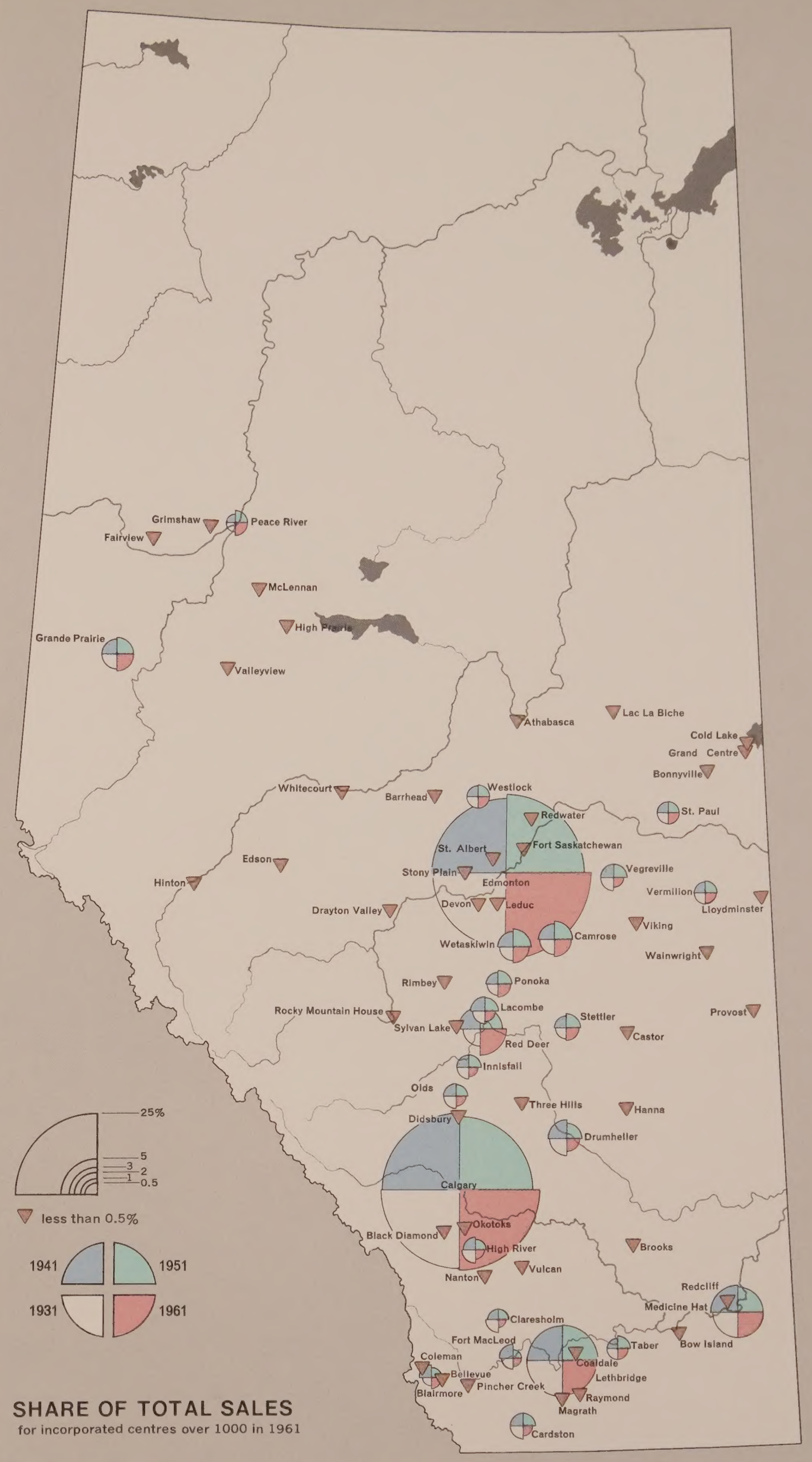
URBAN AND RURAL SALES


Each full square represents $4,000,000
Food
General merchandise
Automobiles, parts, fuel and servicing
Apparel
Hardware and home furnishings
Other

COMMODITY GROUP SALES

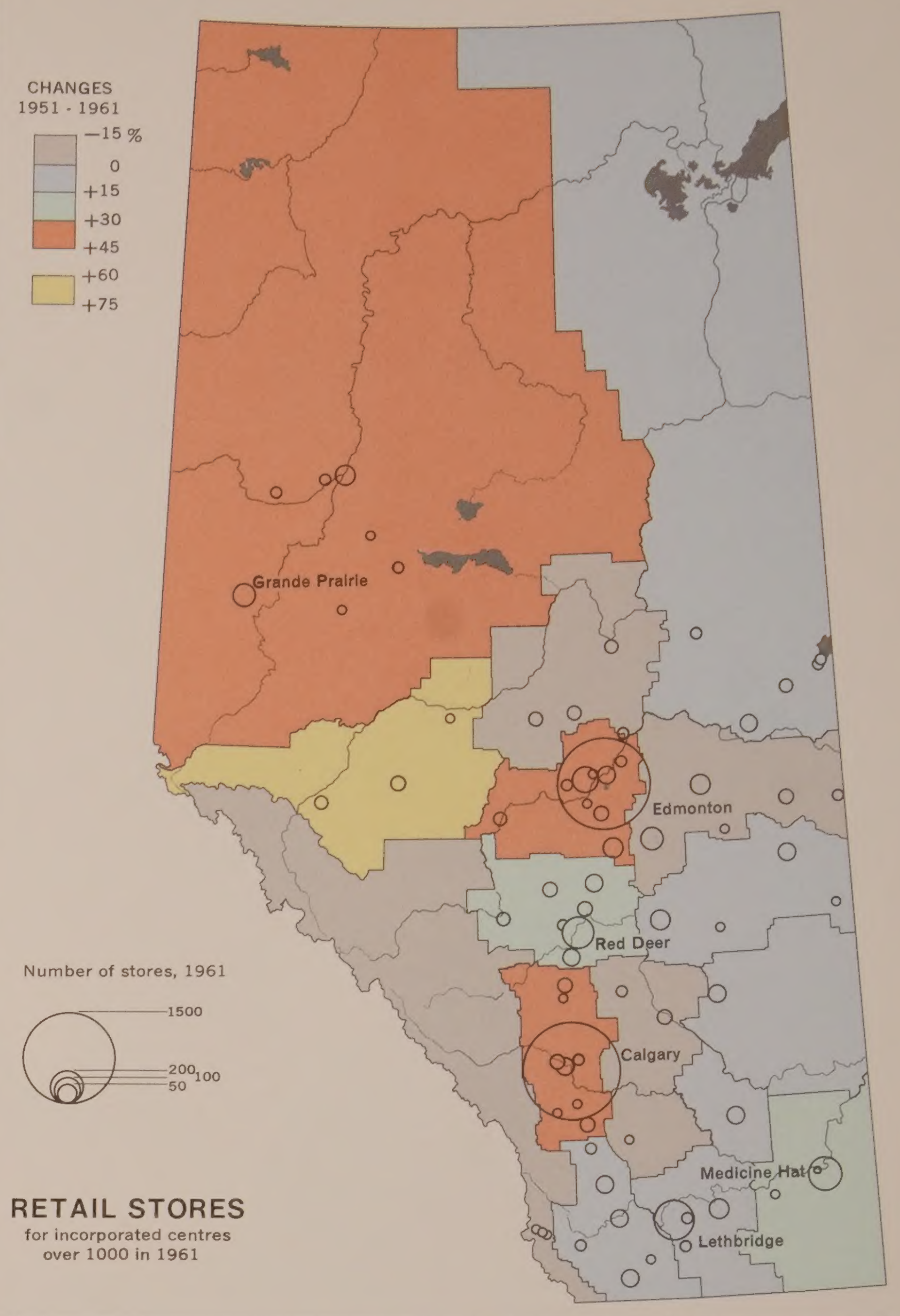
PROPORTIONAL EXPENDITURE


Percentage of total sales in each Census Division
5
10
15
20
25
FOOD
GENERAL MERCHANDISE (general and variety stores)
SERVICE STATIONS AND GARAGES
AUTOMOBILES, PARTS AND ACCESSORIES
APPAREL AND ACCESSORIES
HARDWARE AND HOME FURNISHINGS
DRUG STORES
OTHER (fuel dealers, jewellery, photographic, sporting goods, books and stationery)


Grimshaw
Fairview
Peace River
McLennan
High Prairie
Grande Prairie
Valleyview
Athabasca
Lac La Biche
Cold Lake
Grand Centre
Bonnyville
Whitecourt
Barrhead
Westlock
Redwater
St. Paul
St. Albert
Fort Saskatchewan
Edson
Stony Plain
Edmonton
Vegreville
Hinton
Devon
Leduc
Vermilion
Lloydminster
Drayton Valley
Viking
Camrose
Wetaskiwin
Wainwright
Rimbey
Ponoka
Lacombe
Rocky Mountain House
Stettler
Provost
Sylvan Lake
Castor
Red Deer
Innisfail
Olds
Three Hills
Hanna
Didsbury
Drumheller
Calgary
Okotoks
Black Diamond
High River
Brooks
Nanton
Vulcan
Redcliff
Medicine Hat
Claresholm
Fort MacLeod
Taber
Bow Island
Coleman
Coaldale
Bellevue
Lethbridge
Blairmore
Pincher Creek
Raymond
Magrath
Cardston
25%
5
3
2
1
0.5
less than 0.5%
1941
1951
1931
1961

SHARE OF TOTAL SALES

for incorporated centres over 1000 in 1961

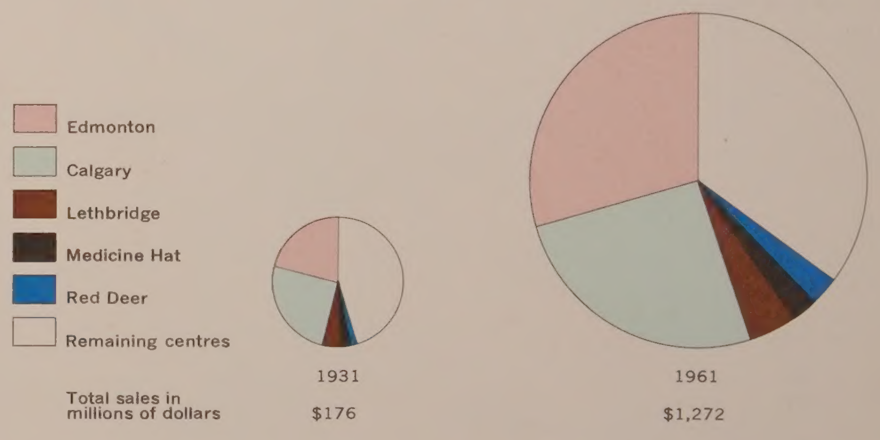

CHANGES
1951 - 1961
−15 %
0
+15
+30
+45
+60
+75
Grande Prairie
Edmonton
Red Deer
Calgary
Medicine Hat
Lethbridge
Number of stores, 1961
1500
200
100
50

RETAIL STORES

for incorporated centres over 1000 in 1961

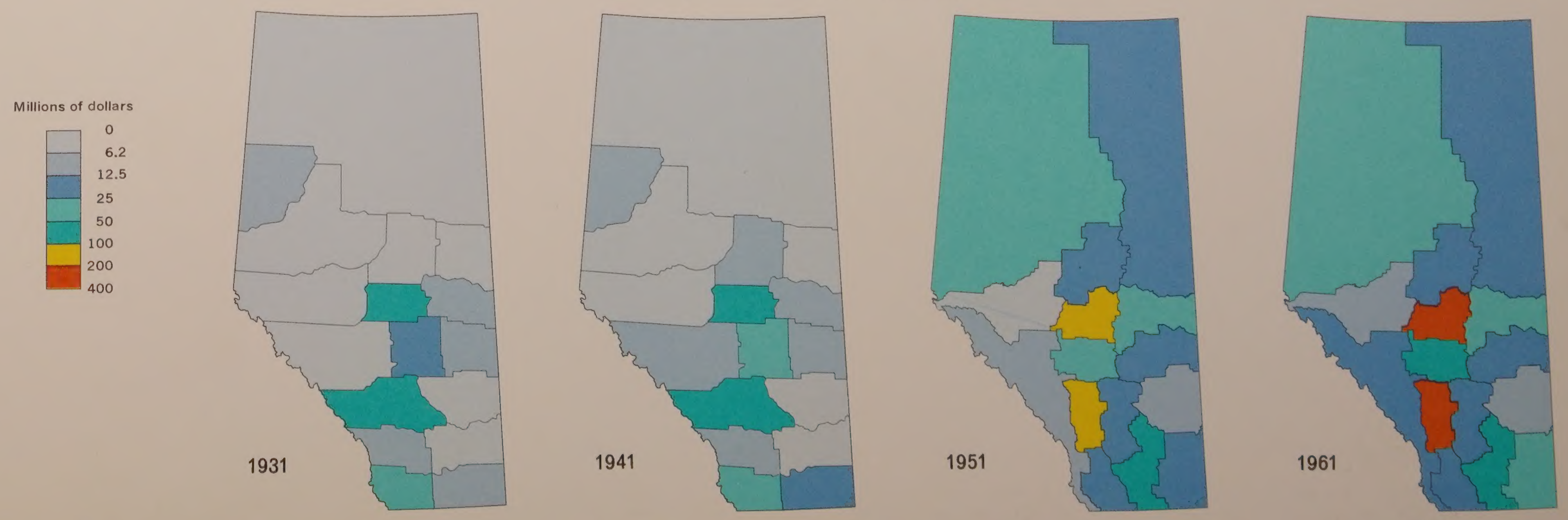
PROPORTION OF TOTAL SALES

1931 AND 1961



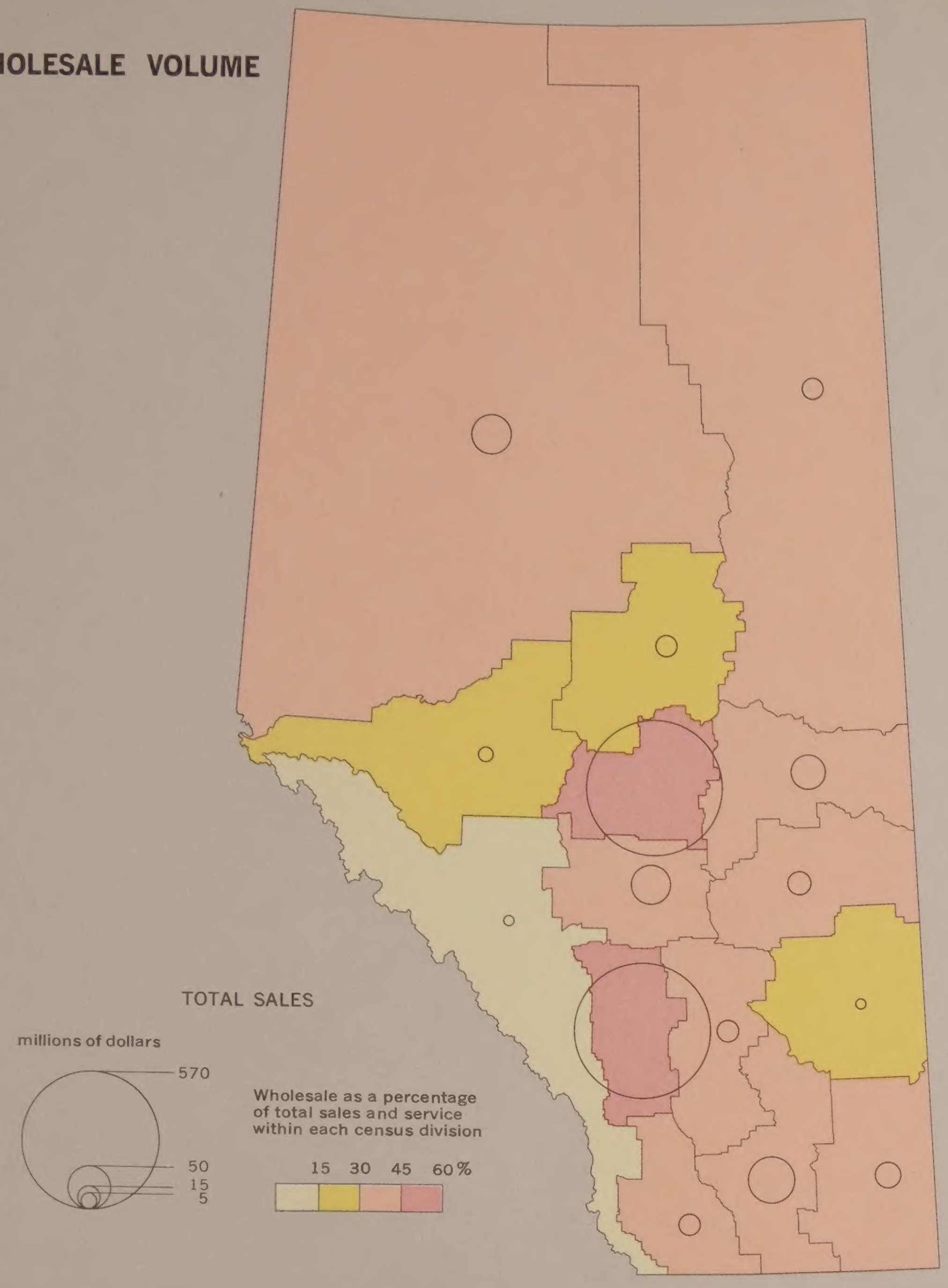
SALES IN CONSTANT DOLLARS

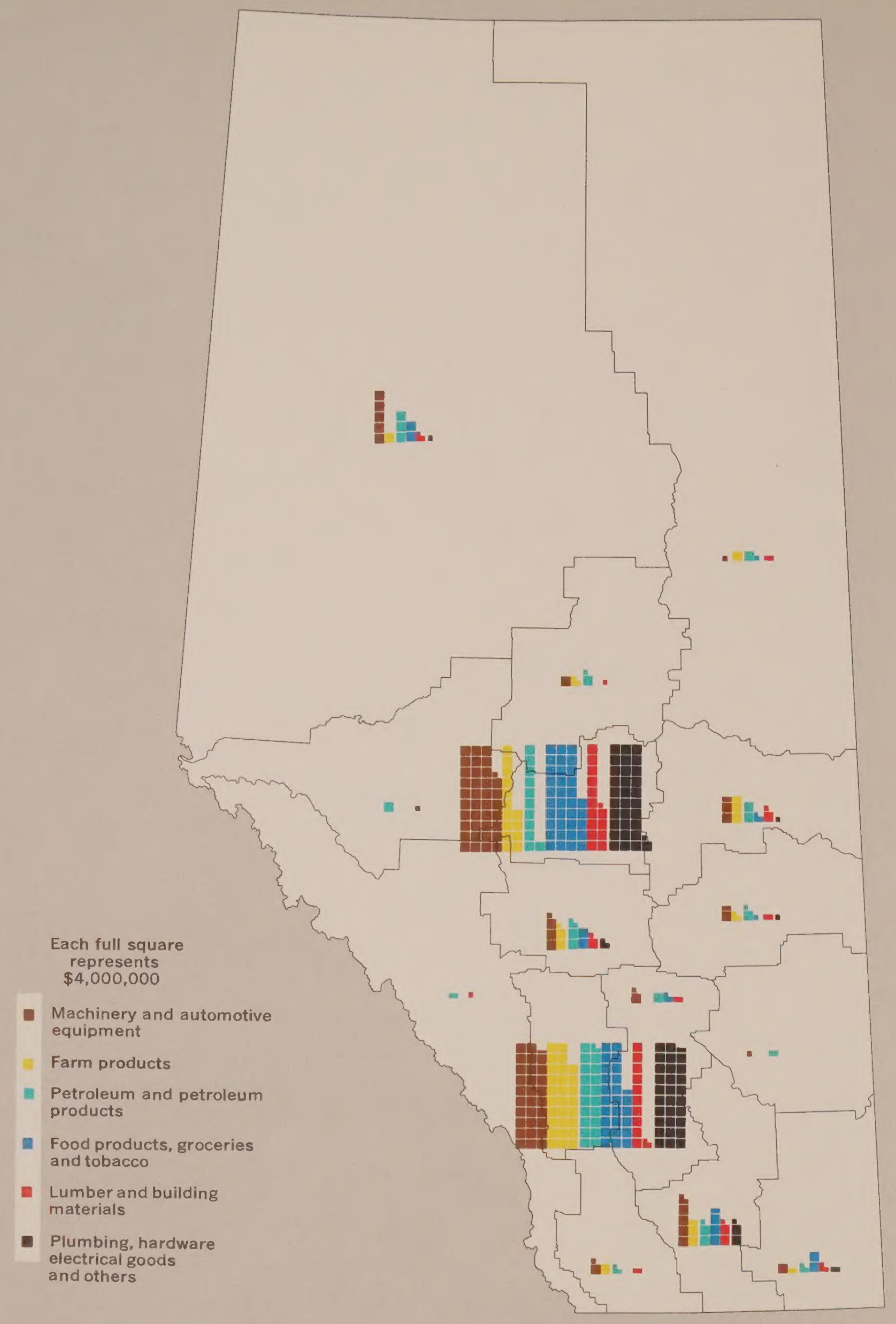
1949 = 100 DOLLARS


Millions of dollars
0
6.2
12.5
25
50
100
200
400
1931
1941
1951
1961

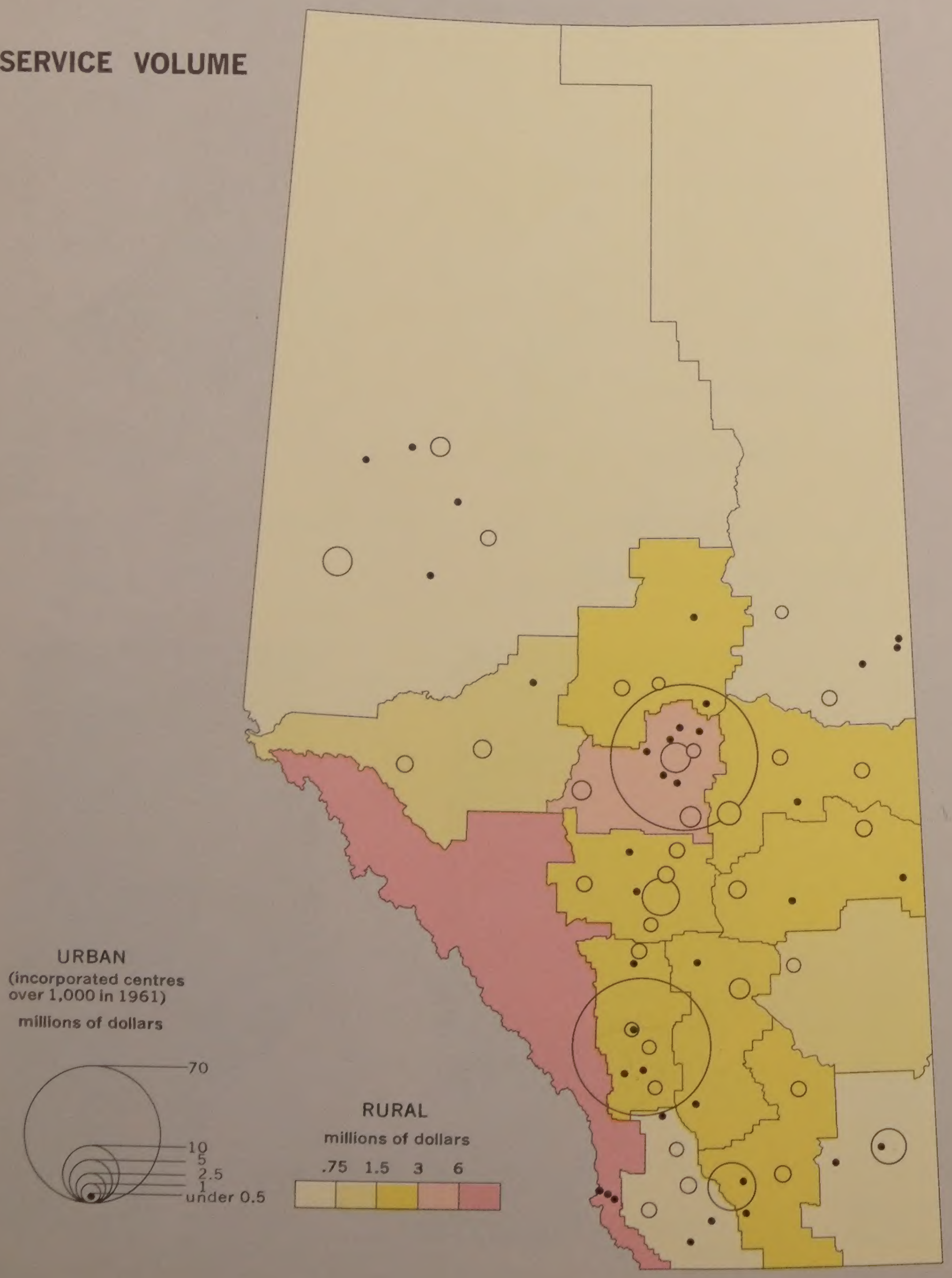
WHOLESALE AND SERVICE

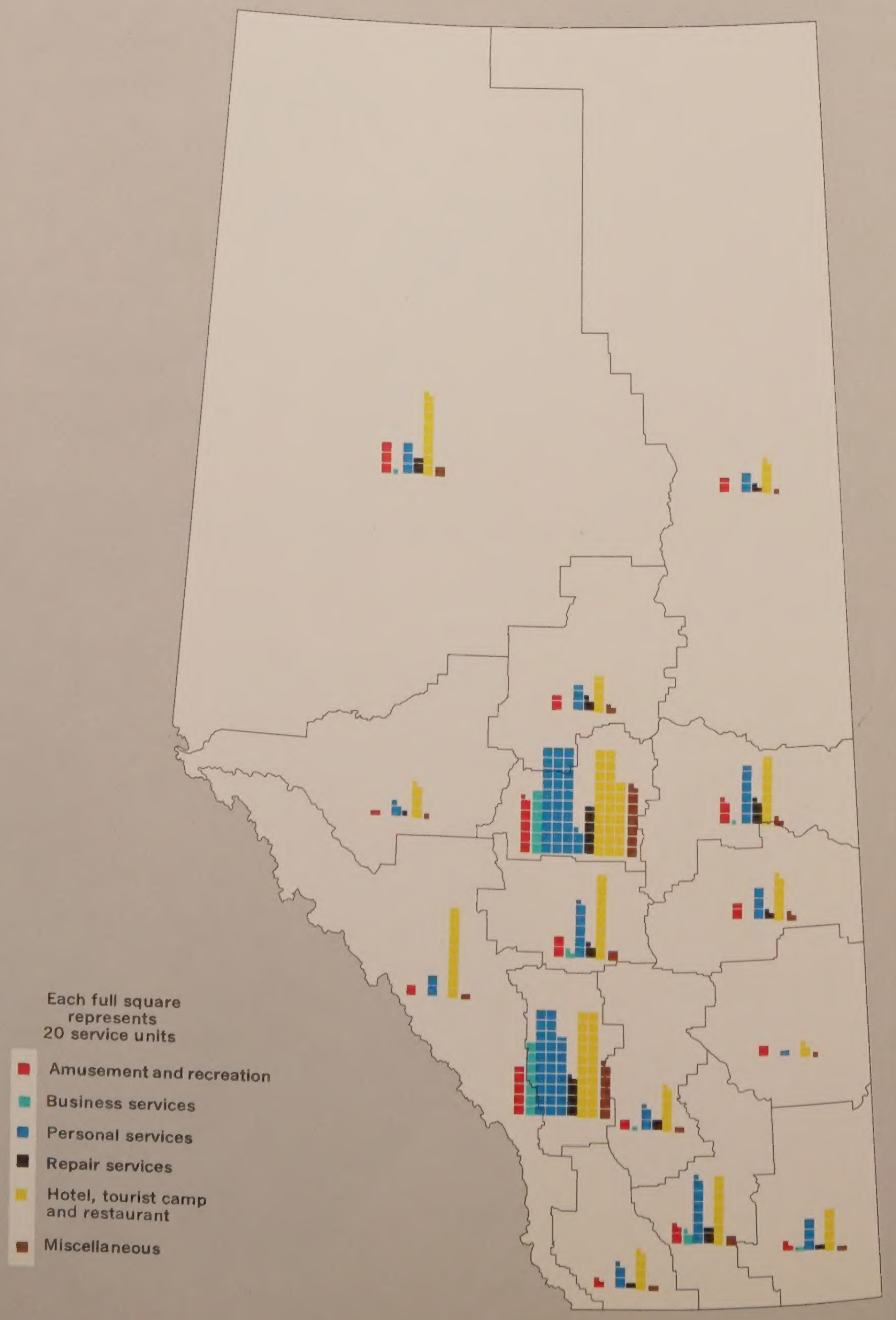
WHOLESALE VOLUME

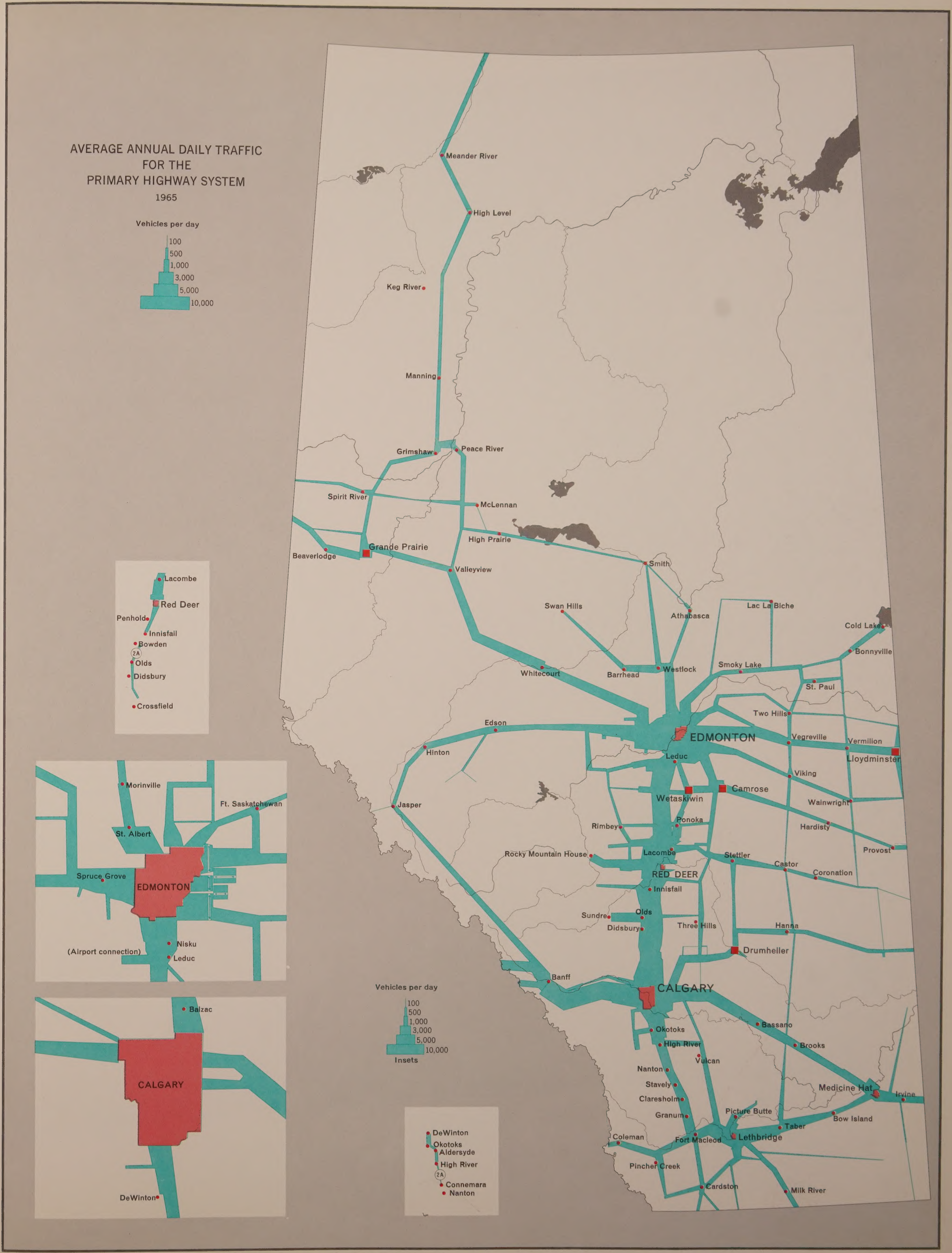

TOTAL SALES
millions of dollars
570
50
15
5
Wholesale as a percentage of total sales and service within each census division
15 30 45 60%


Each full square represents $4,000,000
Machinery and automotive equipment
Farm products
Petroleum and petroleum products
Food products, groceries and tobacco
Lumber and building materials
Plumbing, hardware electrical goods and others

SERVICE VOLUME

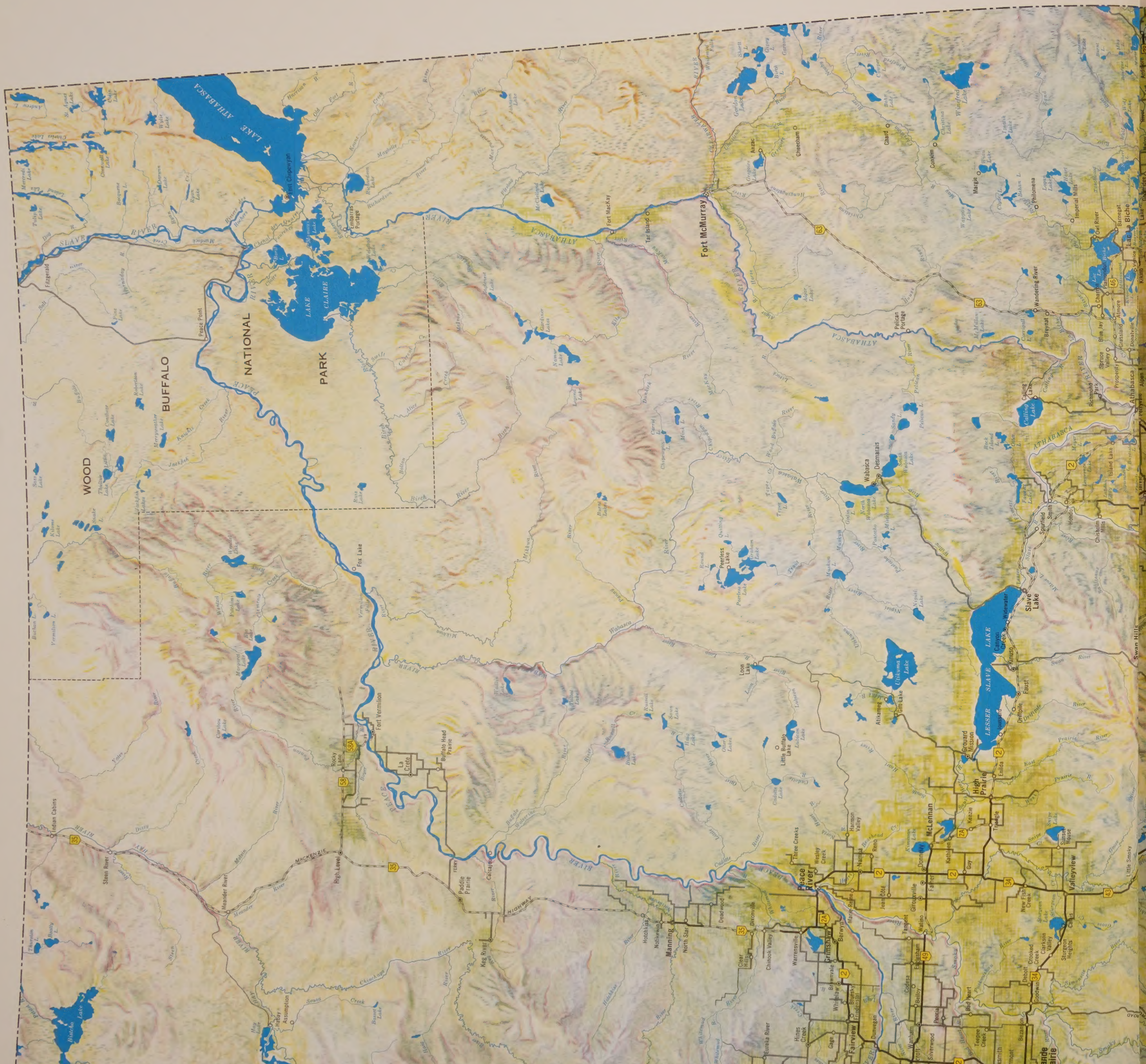

URBAN
(incorporated centres over 1,000 in 1961)
millions of dollars
70
10
5
2.5
1
under 0.5
RURAL
millions of dollars
.75 1.5 3 6

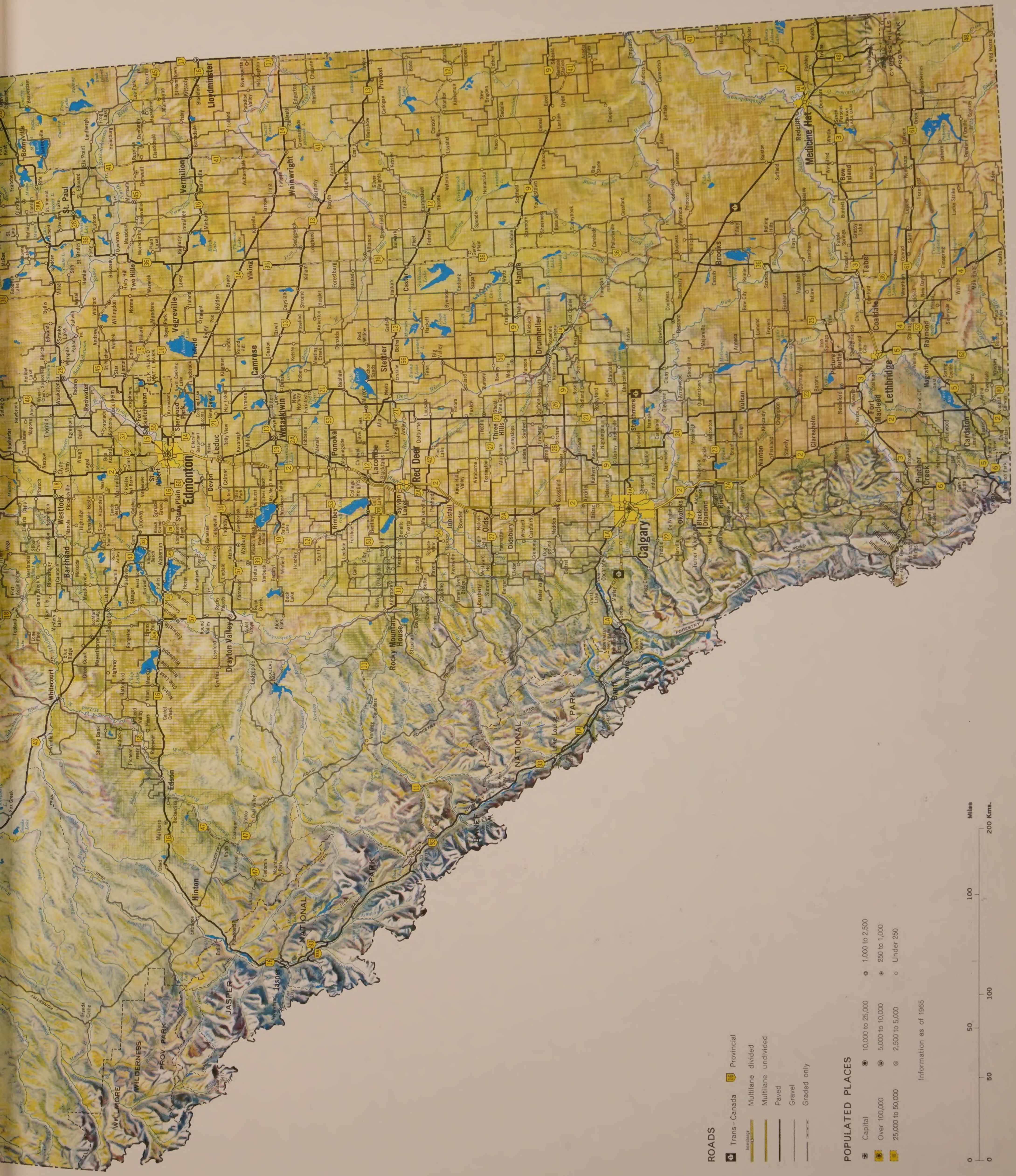

Each full square represents 20 service units
Amusement and recreation
Business services
Personal services
Repair services
Hotel, tourist camp and restaurant
Miscellaneous

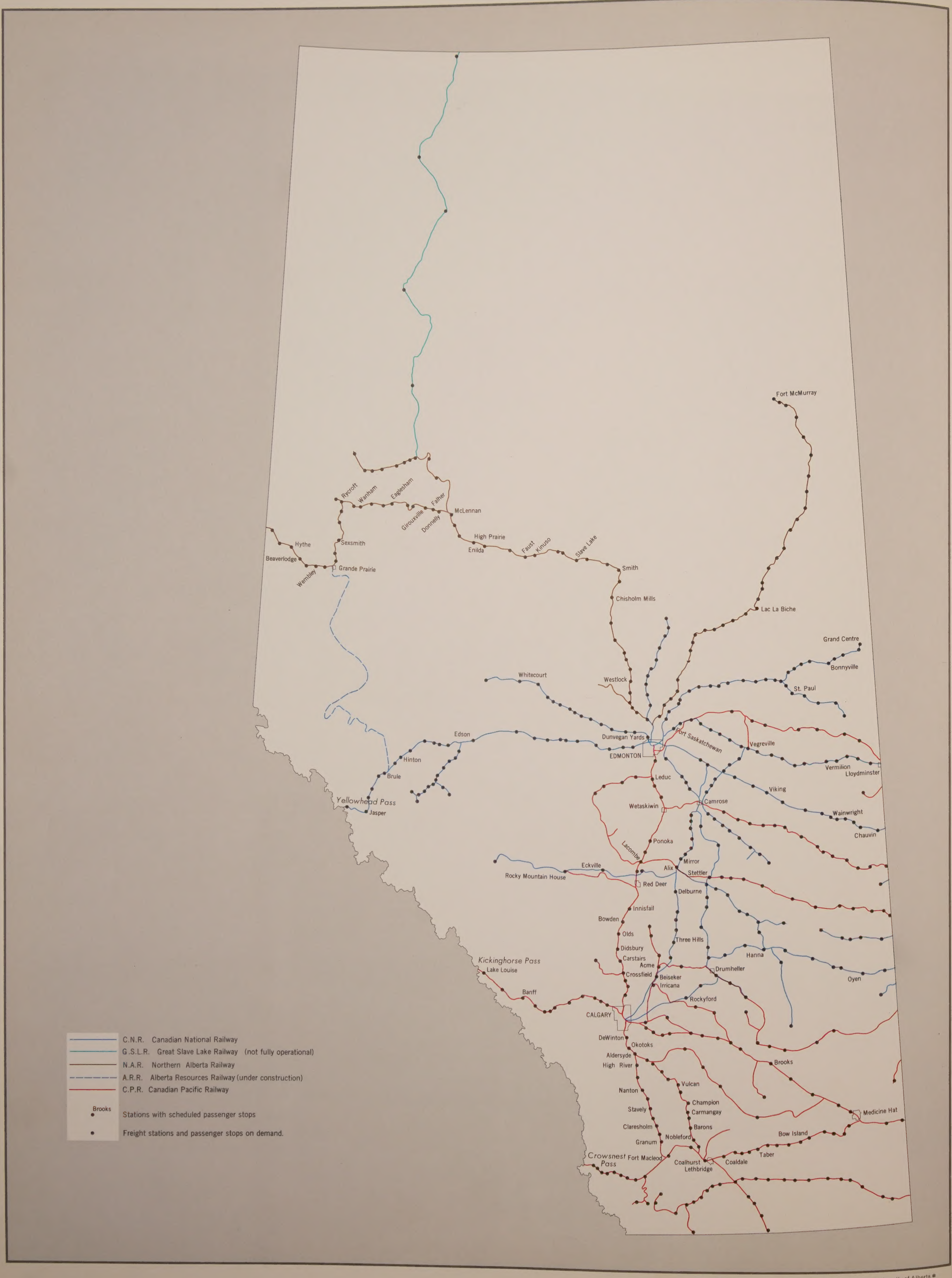


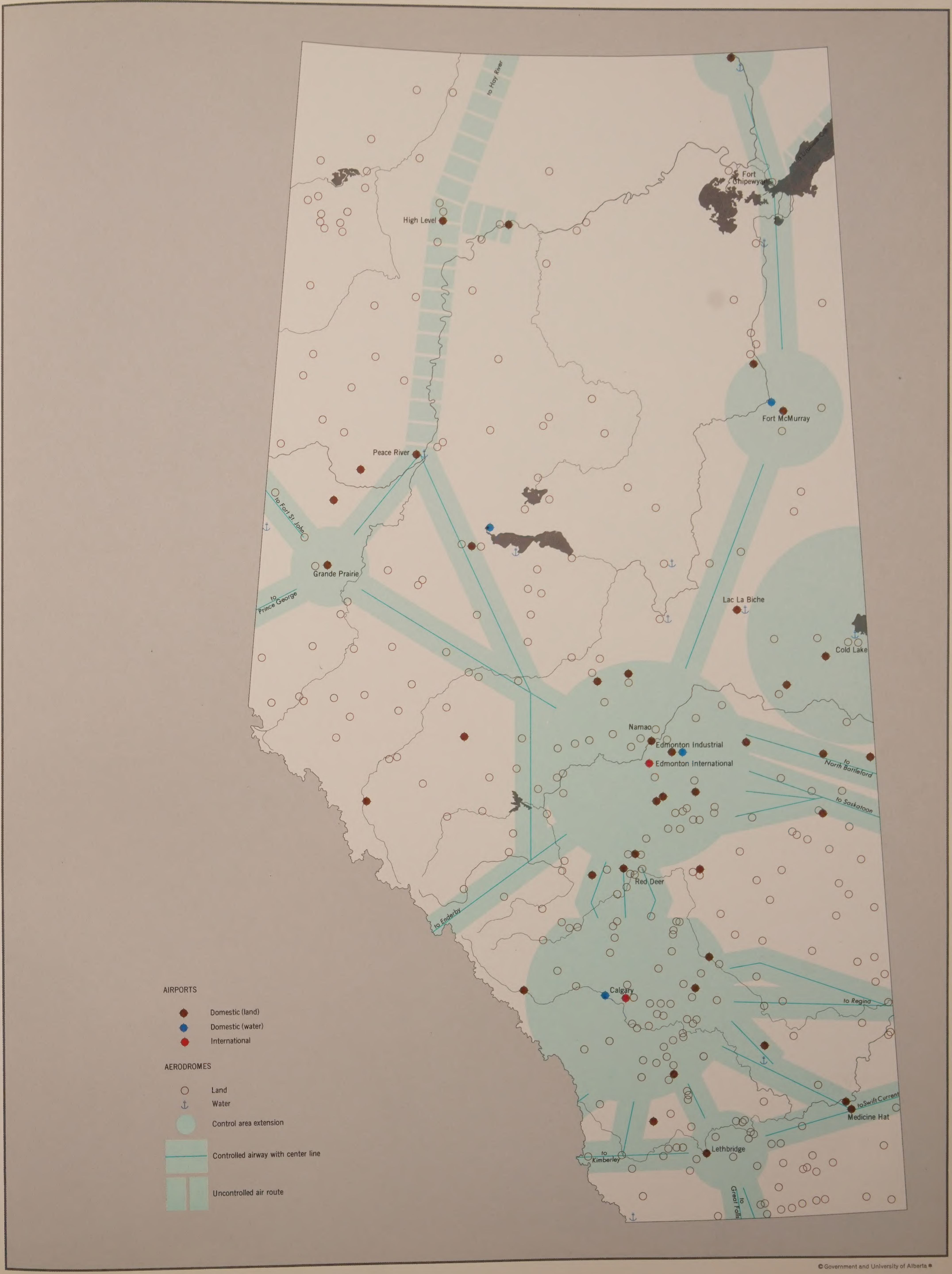
AVERAGE ANNUAL DAILY TRAFFIC
FOR THE
PRIMARY HIGHWAY SYSTEM
1965

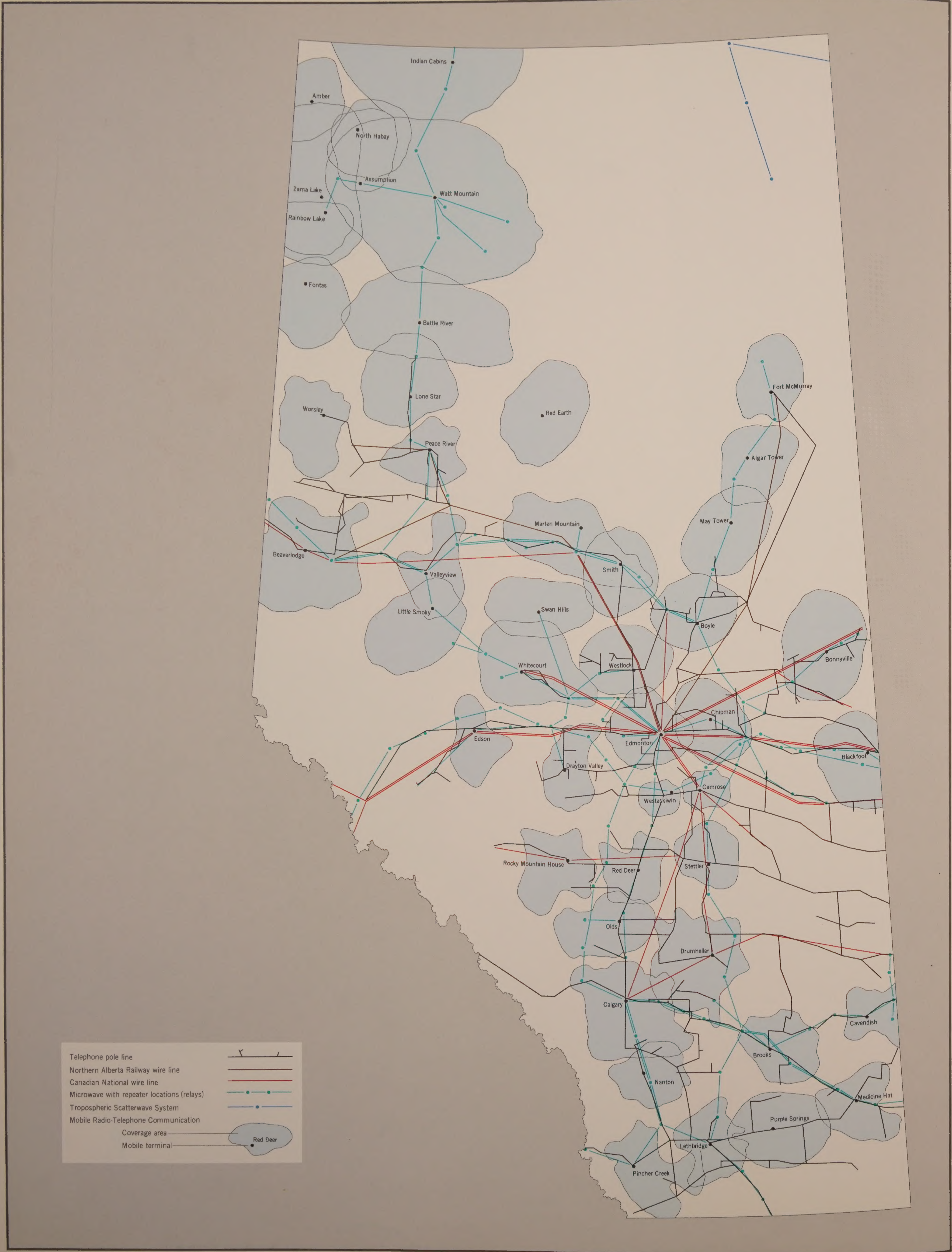
Vehicles per day
100
500
1,000
3,000
5,000
10,000
Meander River
High Level
Keg River
Manning
Grimshaw
Peace River
Spirit River
McLennan
High Prairie
Grande Prairie
Beaverlodge
Valleyview
Smith
Swan Hills
Athabasca
Lac La Biche
Cold Lake
Bonnyville
Whitecourt
Barrhead
Westlock
Smoky Lake
St. Paul
Two Hills
Edson
Hinton
EDMONTON
Vegreville
Vermilion
Lloydminster
Leduc
Viking
Jasper
Wetaskiwin
Camrose
Wainwright
Ponoka
Rimbey
Hardisty
Provost
Rocky Mountain House
Lacombe
Stettler
Castor
RED DEER
Coronation
Innisfail
Sundre
Olds
Didsbury
Three Hills
Hanna
Drumheller
Banff
CALGARY
Bassano
Okotoks
High River
Brooks
Vulcan
Nanton
Stavely
Medicine Hat
Irvine
Claresholm
Granum
Picture Butte
Bow Island
Taber
Coleman
Fort Macleod
Lethbridge
Pincher Creek
Cardston
Milk River
Lacombe
Red Deer
Penhold
Innisfail
Bowden
2A
Olds
Didsbury
Crossfield
Morinville
Ft. Saskatchewan
St. Albert
Spruce Grove
EDMONTON
Nisku
(Airport connection)
Leduc
Balzac
CALGARY
DeWinton
Vehicles per day
100
500
1,000
3,000
5,000
10,000
Insets
DeWinton
Okotoks
Aldersyde
High River
2A
Connemara
Nanton

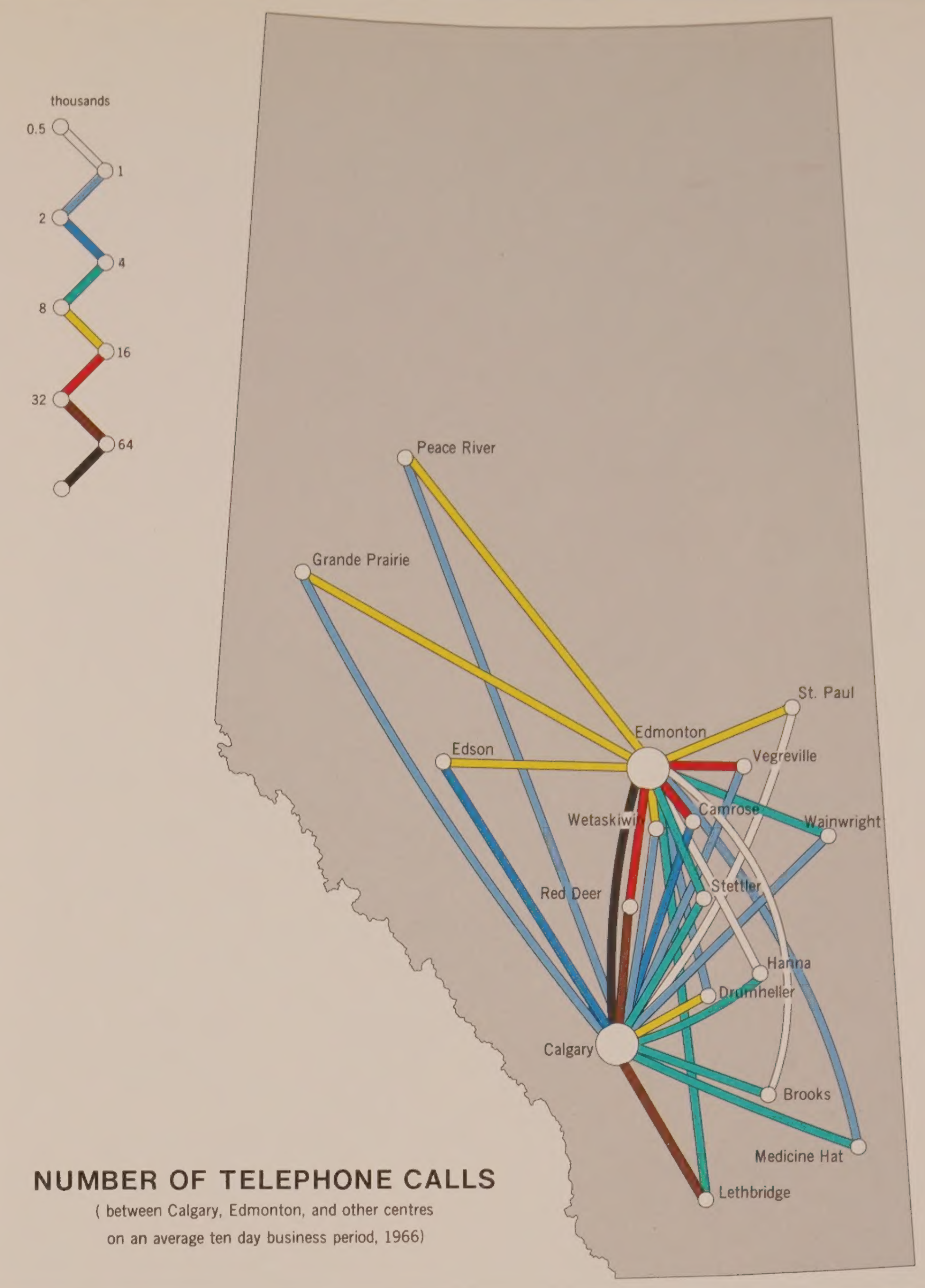

LAKE ATHABASCA
LAKE CLAIRE
WOOD BUFFALO NATIONAL PARK
SLAVE RIVER
PEACE RIVER
ATHABASCA RIVER
Fort Chipewyan
Fort McMurray
Fort Vermilion
Fox Lake
High Level
Paddle Prairie
Manning
Peace River
Grimshaw
McLennan
High Prairie
LESSER SLAVE LAKE
Slave Lake
Wabasca
Desmarais
Athabasca
Lac La Biche
Valleyview
Grande Prairie
Spirit River
Fairview
Beaverlodge
MACKENZIE HIGHWAY


ROADS
Trans-Canada
16 Provincial
Interchange
Multilane divided
Multilane undivided
Paved
Gravel
Graded only
POPULATED PLACES
Capital
Over 100,000
25,000 to 50,000
10,000 to 25,000
5,000 to 10,000
2,500 to 5,000
1,000 to 2,500
250 to 1,000
Under 250
Information as of 1965
0
50
100
Miles
0
50
100
200 Kms.
Edmonton
Calgary
Red Deer
Lethbridge
Medicine Hat
Lloydminster
Wainwright
Camrose
Wetaskiwin
Drumheller
Brooks
Banff
Jasper
Hinton
Edson
Whitecourt
Westlock
Barrhead
St. Paul
Bonnyville
Vermilion
Vegreville
Stettler
Hanna
Lacombe
Ponoka
Olds
Innisfail
Didsbury
Three Hills
Strathmore
Okotoks
High River
Vulcan
Claresholm
Fort Macleod
Pincher Creek
Cardston
Raymond
Magrath
Taber
Coaldale
Picture Butte
Bow Island
Redcliff
Rocky Mountain House
Drayton Valley
Leduc
Stony Plain
Sherwood Park
Fort Saskatchewan
Redwater
Two Hills
Viking
Provost
Castor
Sylvan Lake
Black Diamond
BANFF NATIONAL PARK
JASPER NATIONAL PARK
WILLMORE WILDERNESS PROV. PARK
CYPRESS HILLS PROV. PARK
ELK ISLAND NAT. PARK
FORESTRY TRUNK ROAD


Fort McMurray
Rycroft
Wanham
Eaglesham
Falher
Girouxville
Donnelly
McLennan
High Prairie
Enilda
Faust
Kinuso
Slave Lake
Smith
Hythe
Sexsmith
Beaverlodge
Wembley
Grande Prairie
Chisholm Mills
Lac La Biche
Grand Centre
Bonnyville
St. Paul
Whitecourt
Westlock
Edson
Dunvegan Yards
EDMONTON
Fort Saskatchewan
Vegreville
Vermilion
Lloydminster
Hinton
Brule
Yellowhead Pass
Jasper
Leduc
Viking
Wetaskiwin
Camrose
Wainwright
Chauvin
Ponoka
Lacombe
Mirror
Alix
Eckville
Stettler
Rocky Mountain House
Red Deer
Delburne
Innisfail
Bowden
Olds
Three Hills
Didsbury
Carstairs
Acme
Hanna
Kickinghorse Pass
Lake Louise
Crossfield
Drumheller
Beiseker
Irricana
Oyen
Banff
Rockyford
CALGARY
DeWinton
Okotoks
Aldersyde
High River
Brooks
Vulcan
Nanton
Champion
Carmangay
Stavely
Medicine Hat
Claresholm
Barons
Bow Island
Granum
Nobleford
Taber
Crowsnest Pass
Fort Macleod
Coalhurst
Lethbridge
Coaldale
C.N.R. Canadian National Railway
G.S.L.R. Great Slave Lake Railway (not fully operational)
N.A.R. Northern Alberta Railway
A.R.R. Alberta Resources Railway (under construction)
C.P.R. Canadian Pacific Railway
Brooks
Stations with scheduled passenger stops
Freight stations and passenger stops on demand.

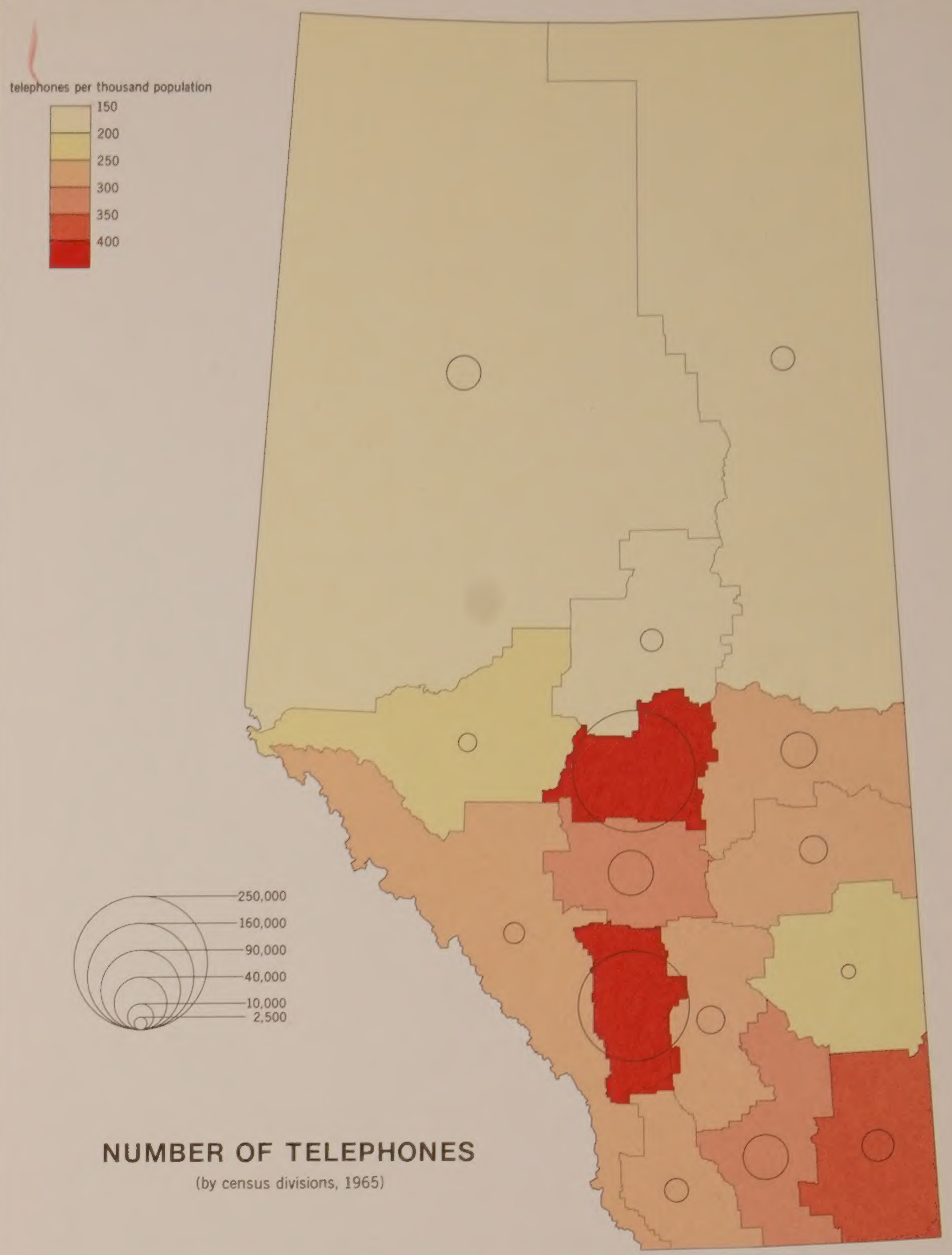

to Hay River
to Uranium City
Fort Chipewyan
High Level
Fort McMurray
Peace River
to Fort St. John
Grande Prairie
to Prince George
Lac La Biche
Cold Lake
Namao
Edmonton Industrial
Edmonton International
to North Battleford
to Saskatoon
Red Deer
to Enderby
Calgary
to Regina
to Swift Current
Medicine Hat
Lethbridge
to Kimberley
to Great Falls
AIRPORTS
Domestic (land)
Domestic (water)
International
AERODROMES
Land
Water
Control area extension
Controlled airway with center line
Uncontrolled air route


Indian Cabins
Amber
North Habay
Assumption
Zama Lake
Rainbow Lake
Watt Mountain
Fontas
Battle River
Lone Star
Worsley
Red Earth
Peace River
Fort McMurray
Algar Tower
May Tower
Marten Mountain
Beaverlodge
Smith
Valleyview
Little Smoky
Swan Hills
Boyle
Whitecourt
Westlock
Bonnyville
Chipman
Edson
Edmonton
Blackfoot
Drayton Valley
Camrose
Westaskiwin
Rocky Mountain House
Red Deer
Stettler
Olds
Drumheller
Calgary
Cavendish
Brooks
Nanton
Medicine Hat
Purple Springs
Lethbridge
Pincher Creek
Telephone pole line
Northern Alberta Railway wire line
Canadian National wire line
Microwave with repeater locations (relays)
Tropospheric Scatterwave System
Mobile Radio-Telephone Communication
Coverage area
Mobile terminal
Red Deer


thousands
0.5
1
2
4
8
16
32
64
Peace River
Grande Prairie
Edmonton
St. Paul
Vegreville
Edson
Camrose
Wetaskiwin
Wainwright
Stettler
Red Deer
Hanna
Drumheller
Calgary
Brooks
Medicine Hat
Lethbridge

NUMBER OF TELEPHONE CALLS

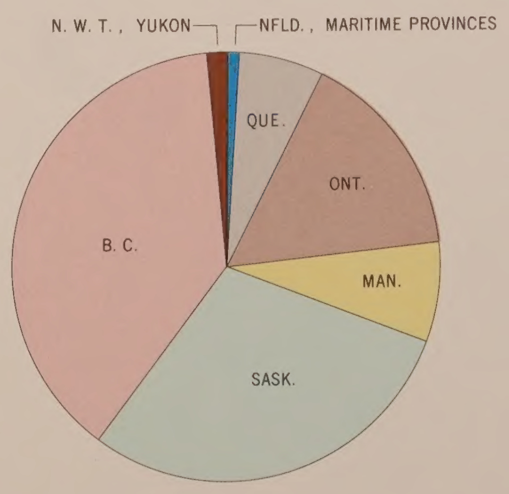
(between Calgary, Edmonton, and other centres
on an average ten day business period, 1966)


telephones per thousand population
150
200
250
300
350
400
250,000
160,000
90,000
40,000
10,000
2,500

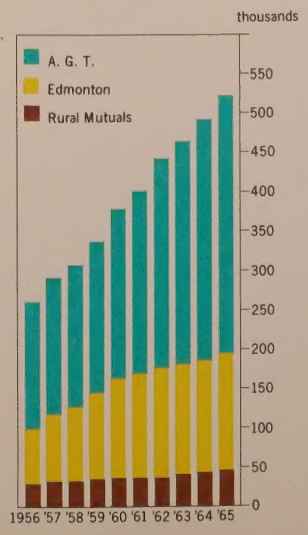
NUMBER OF TELEPHONES

(by census divisions, 1965)

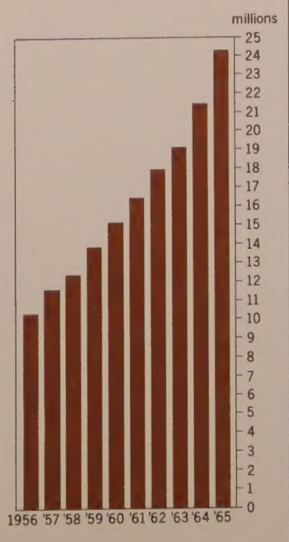
CALLS FROM ALBERTA TO OTHER AREAS IN CANADA

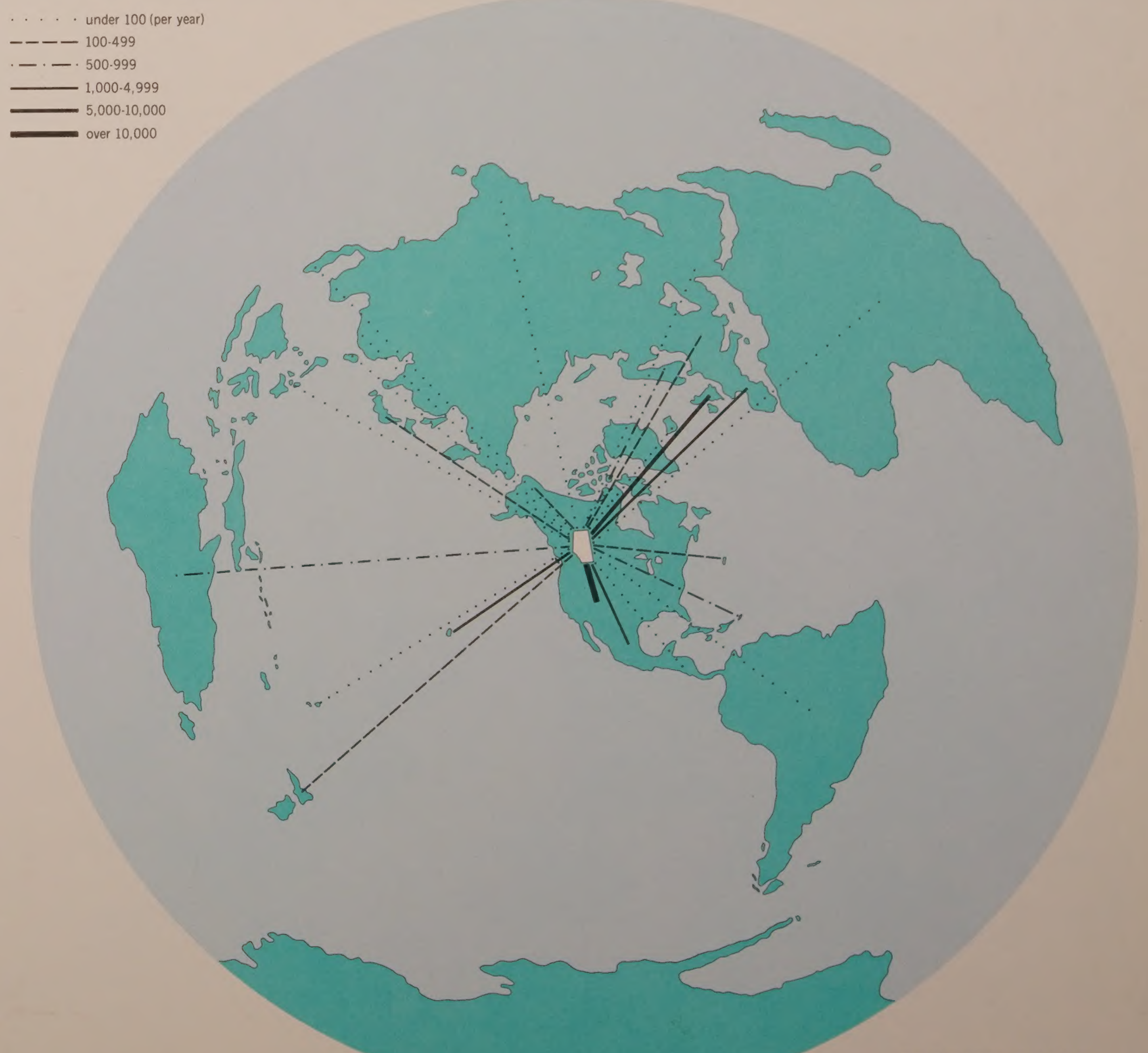


DISTRIBUTION OF TELEPHONES IN ALBERTA



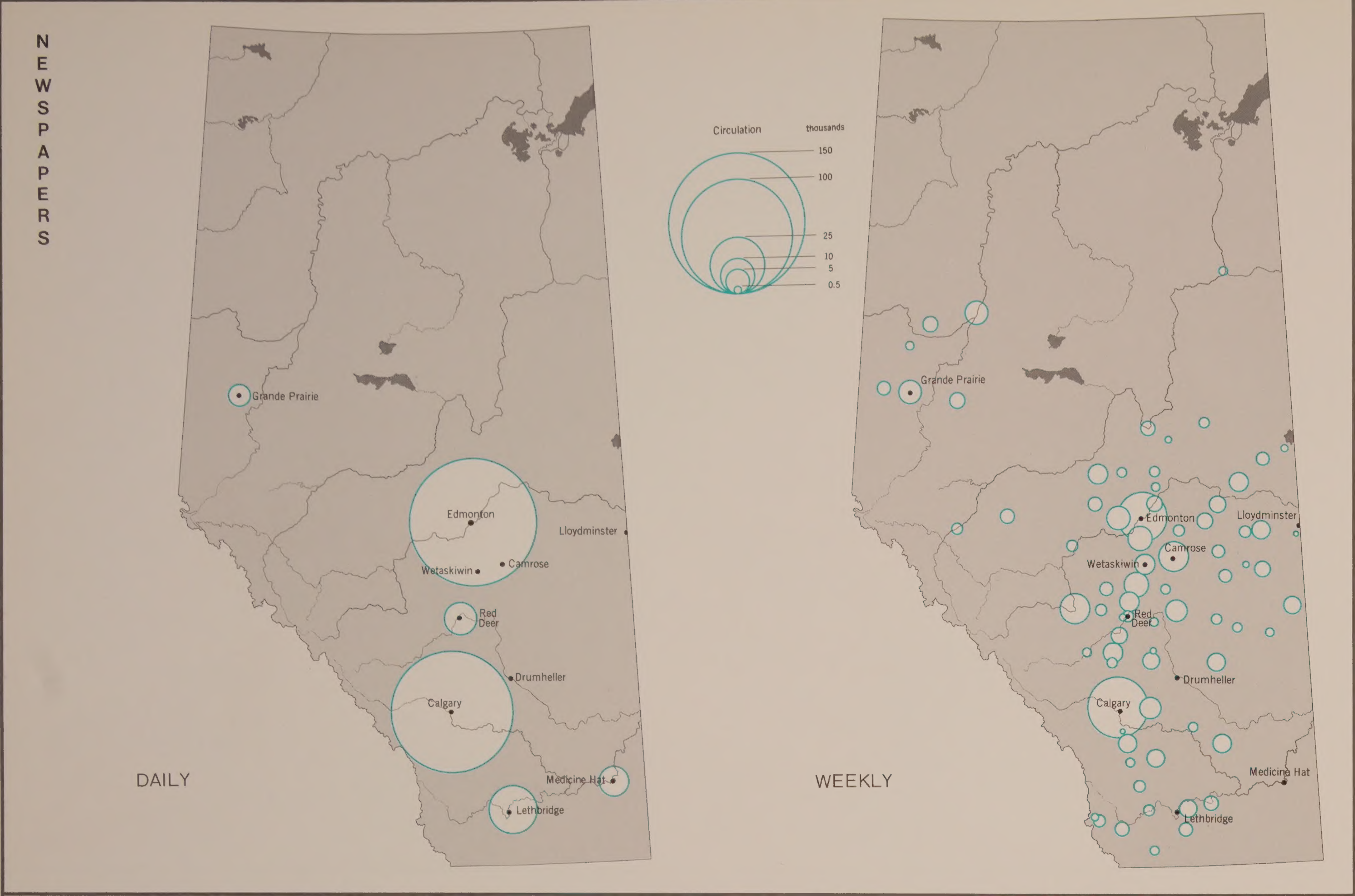
NUMBER OF LONG DISTANCE CALLS TO ALL POINTS



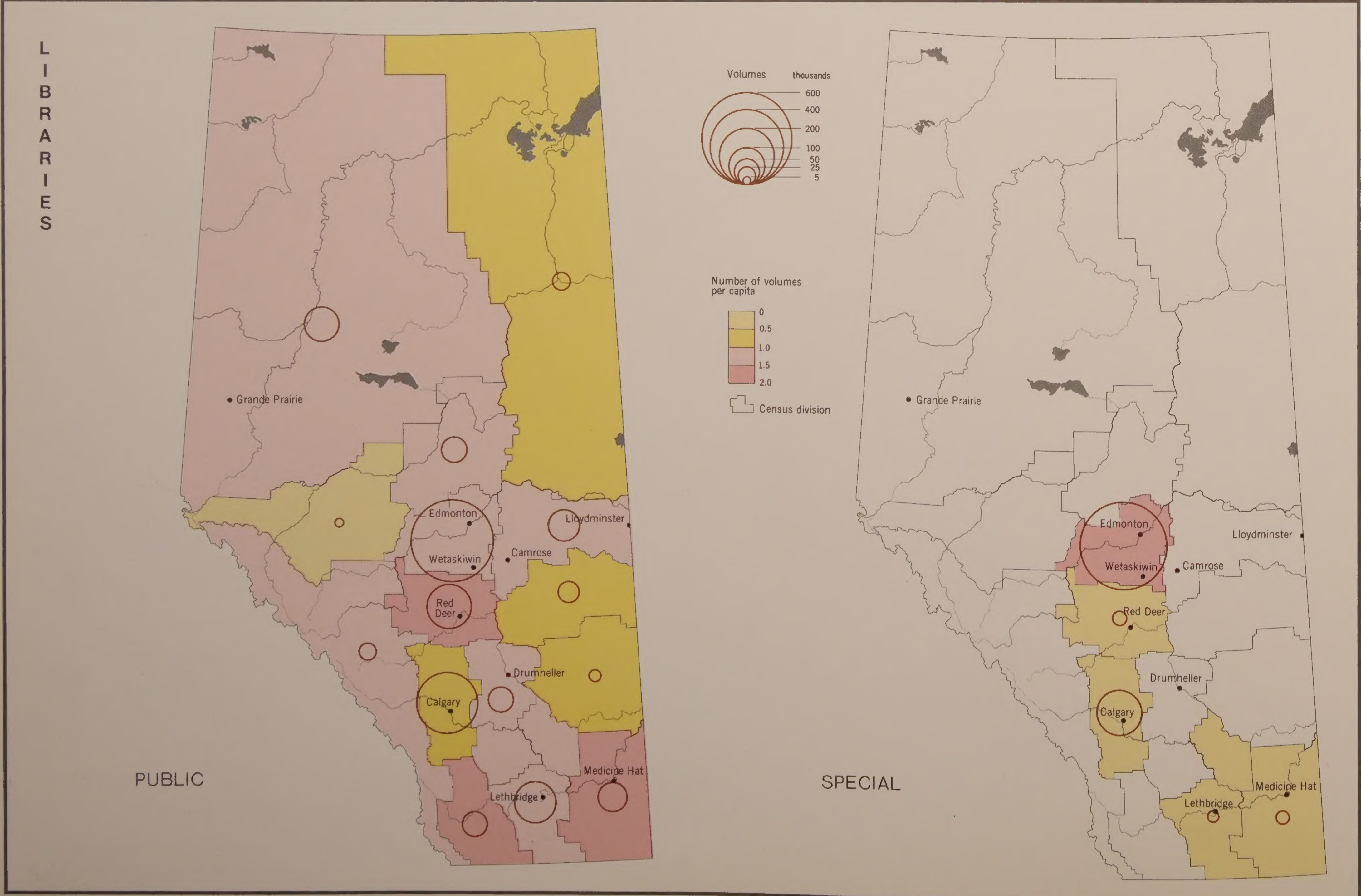

under 100 (per year)
100-499
500-999
1,000-4,999
5,000-10,000
over 10,000

FOREIGN CALLS ORIGINATING IN ALBERTA

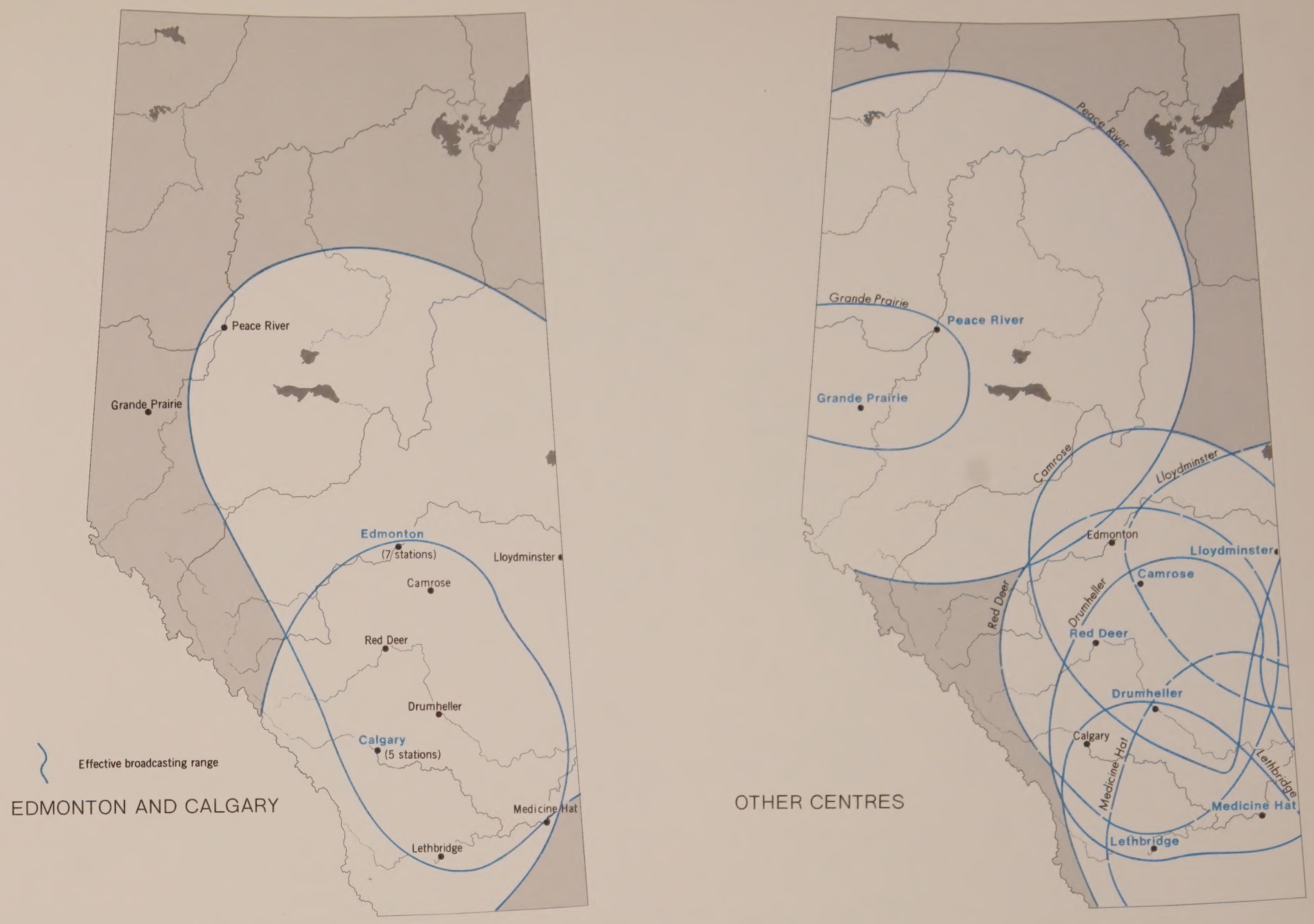
NEWSPAPERS


Circulation
thousands
150
100
25
10
5
0.5
Grande Prairie
Edmonton
Lloydminster
Wetaskiwin
Camrose
Red Deer
Drumheller
Calgary
Medicine Hat
Lethbridge
DAILY
WEEKLY

LIBRARIES

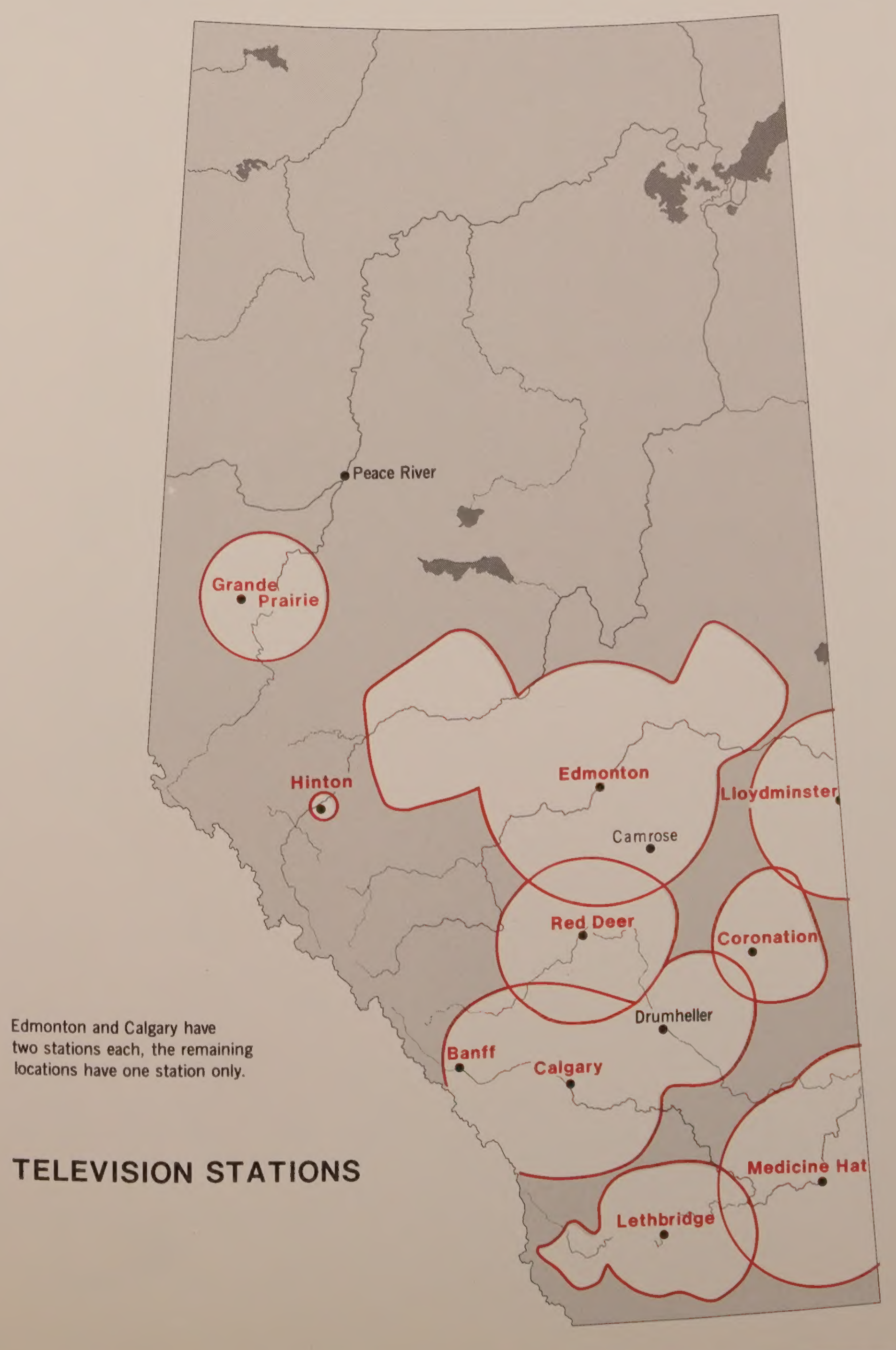

Volumes
thousands
600
400
200
100
50
25
5
Number of volumes per capita
0
0.5
1.0
1.5
2.0
Census division
Grande Prairie
Edmonton
Lloydminster
Wetaskiwin
Camrose
Red Deer
Drumheller
Calgary
Medicine Hat
Lethbridge
PUBLIC
SPECIAL

RADIO STATIONS


Peace River
Grande Prairie
Edmonton
(7 stations)
Lloydminster
Camrose
Red Deer
Drumheller
Calgary
(5 stations)
Medicine Hat
Lethbridge
Effective broadcasting range
Peace River
Grande Prairie
Peace River
Grande Prairie
Camrose
Lloydminster
Edmonton
Lloydminster
Camrose
Red Deer
Drumheller
Red Deer
Drumheller
Calgary
Medicine Hat
Lethbridge
Medicine Hat
Lethbridge

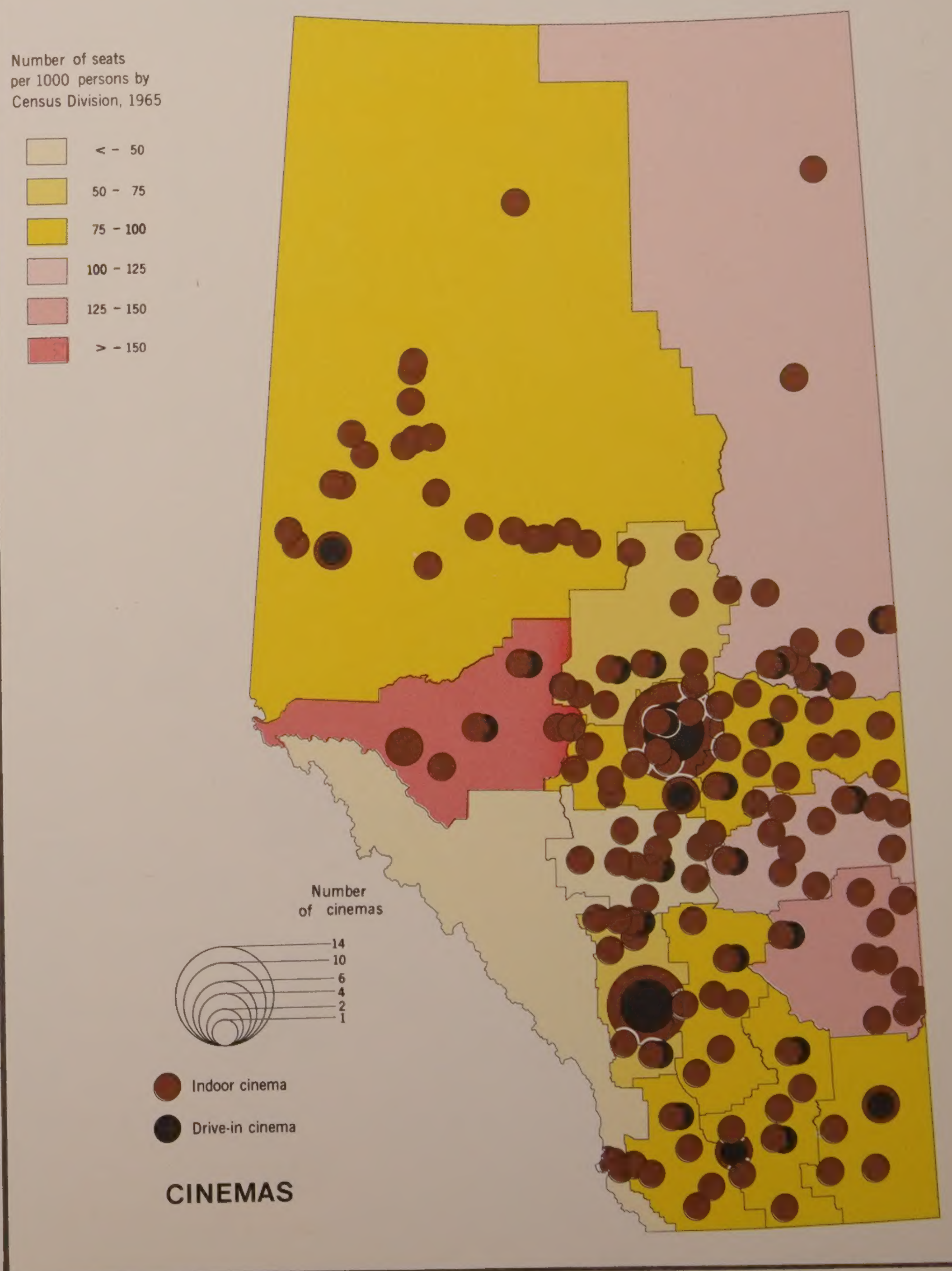
EDMONTON AND CALGARY

OTHER CENTRES


Peace River
Grande Prairie
Hinton
Edmonton
Lloydminster
Camrose
Red Deer
Coronation
Drumheller
Banff
Calgary
Medicine Hat
Lethbridge

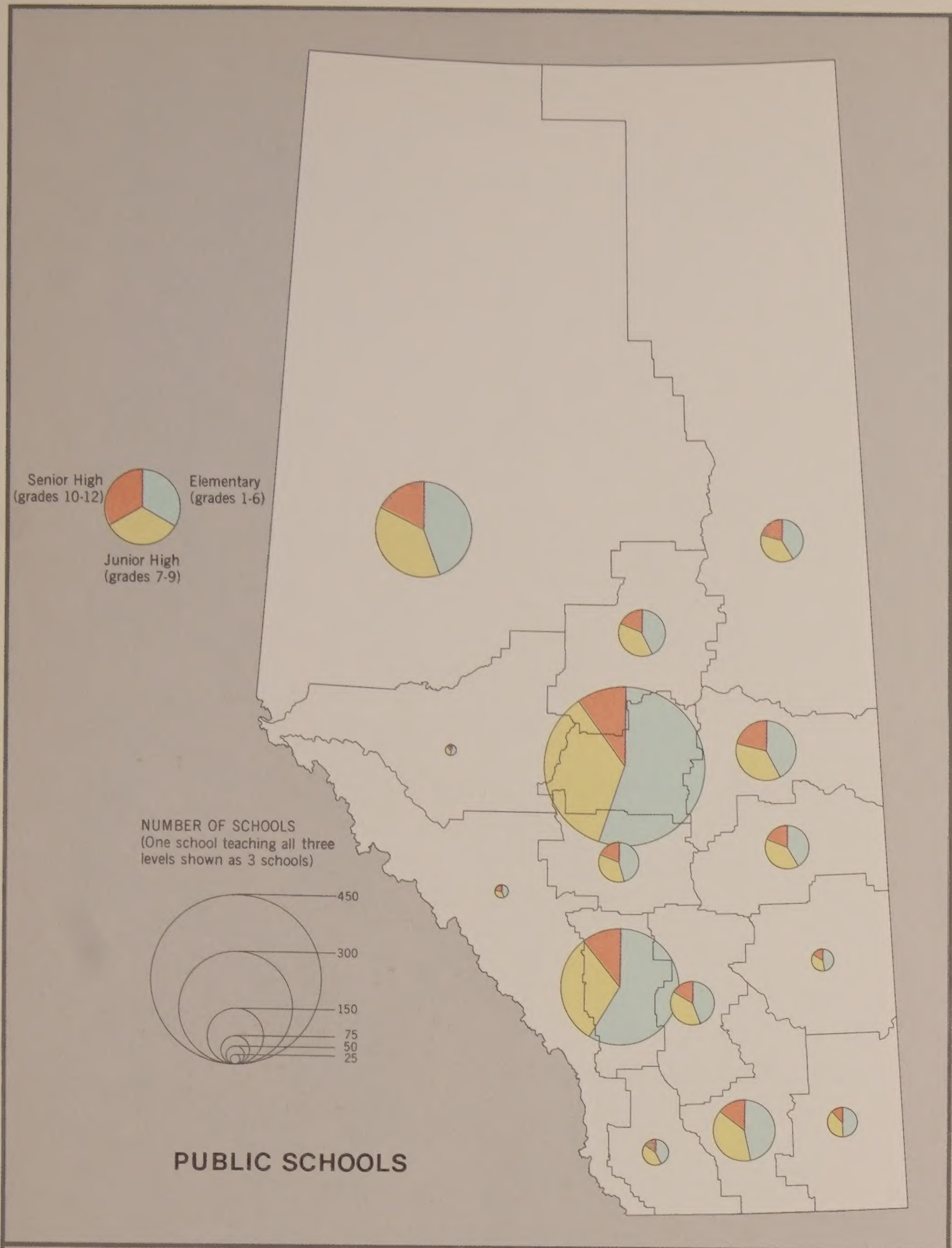
Edmonton and Calgary have two stations each, the remaining locations have one station only.

TELEVISION STATIONS

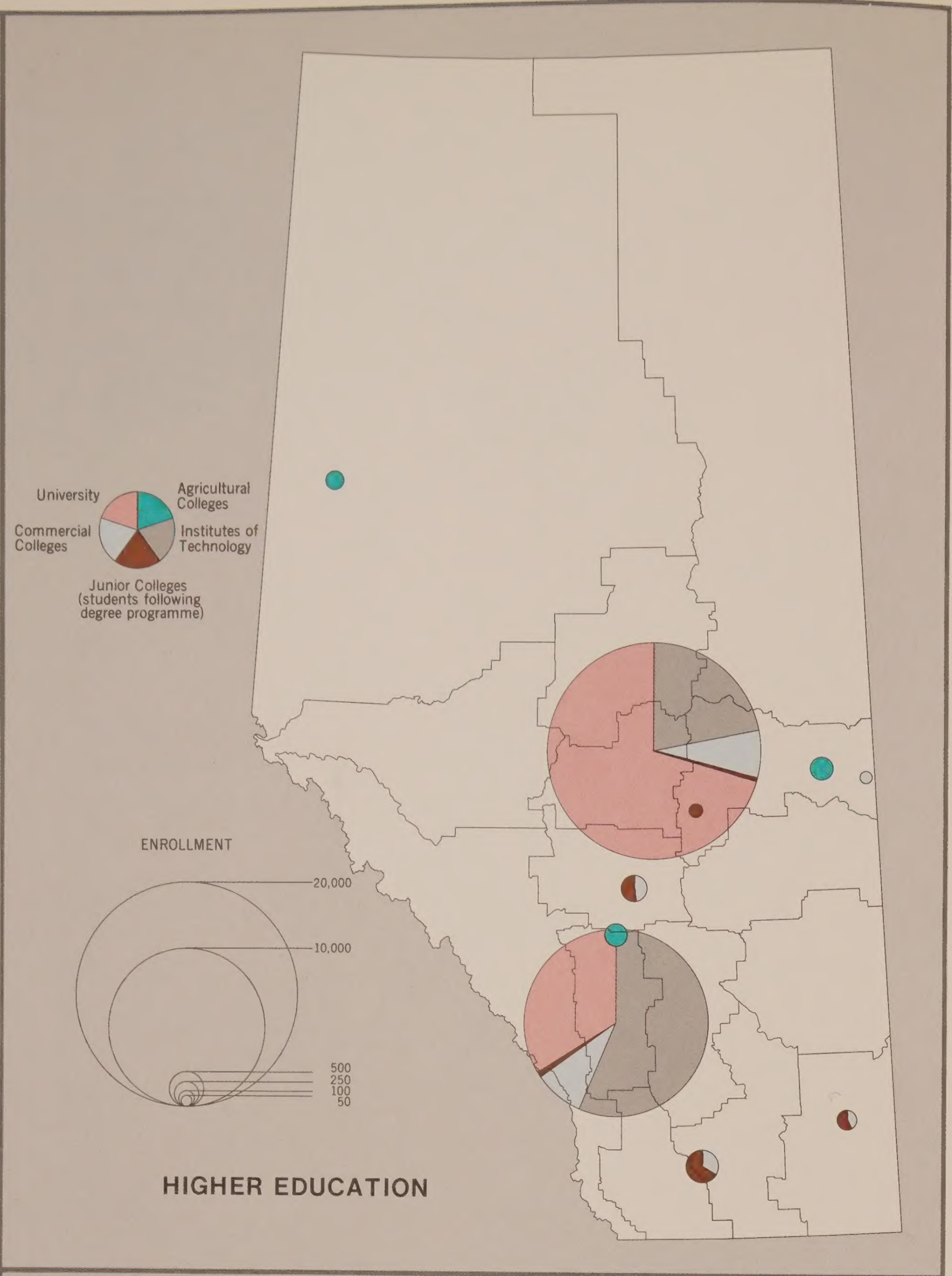

Number of seats per 1000 persons by Census Division, 1965
< - 50
50 - 75
75 - 100
100 - 125
125 - 150
> - 150
Number of cinemas
14
10
6
4
2
1
Indoor cinema
Drive-in cinema

CINEMAS

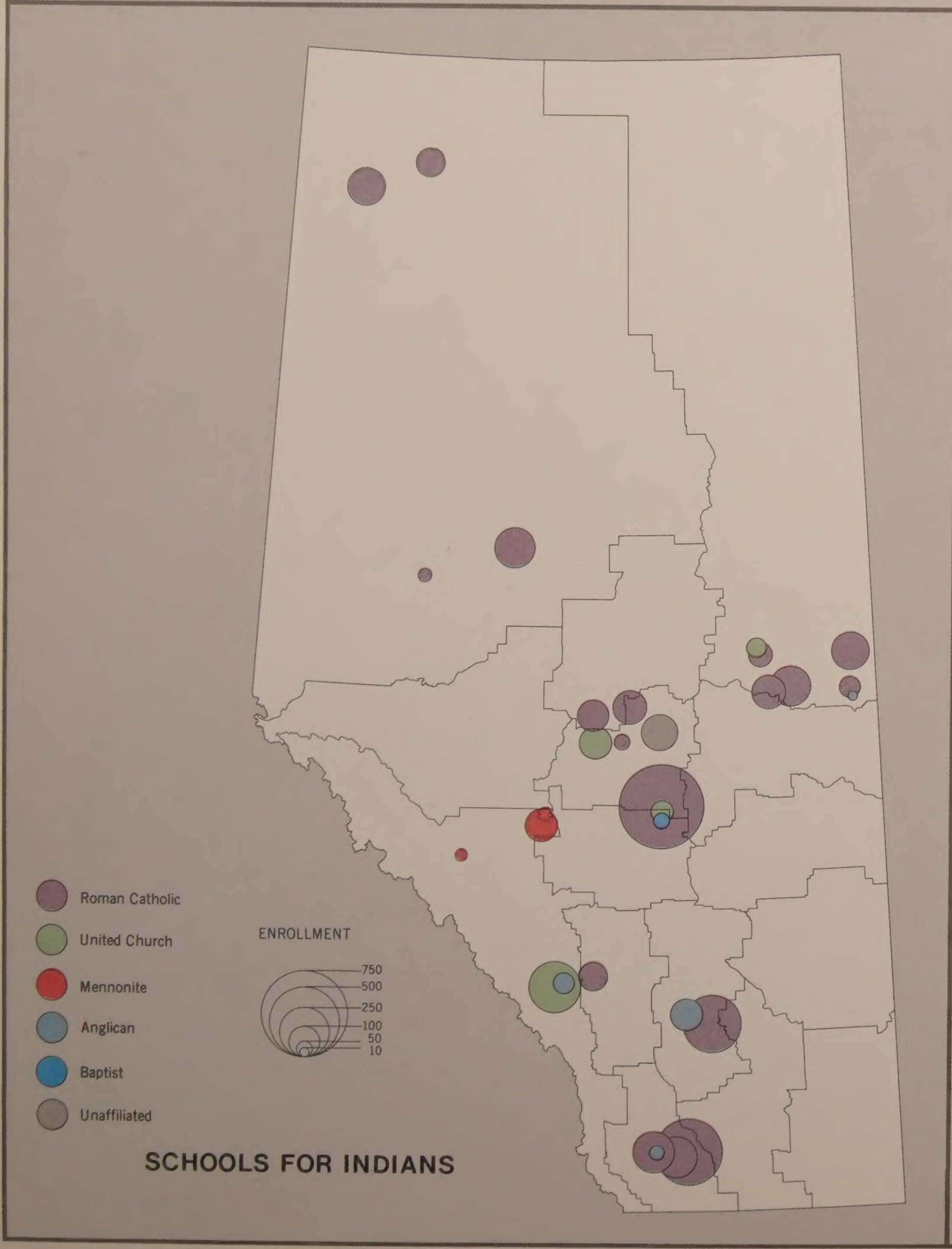
EDUCATION, 1965


Senior High (grades 10-12)
Elementary (grades 1-6)
Junior High (grades 7-9)
NUMBER OF SCHOOLS (One school teaching all three levels shown as 3 schools)
450
300
150
75
50
25

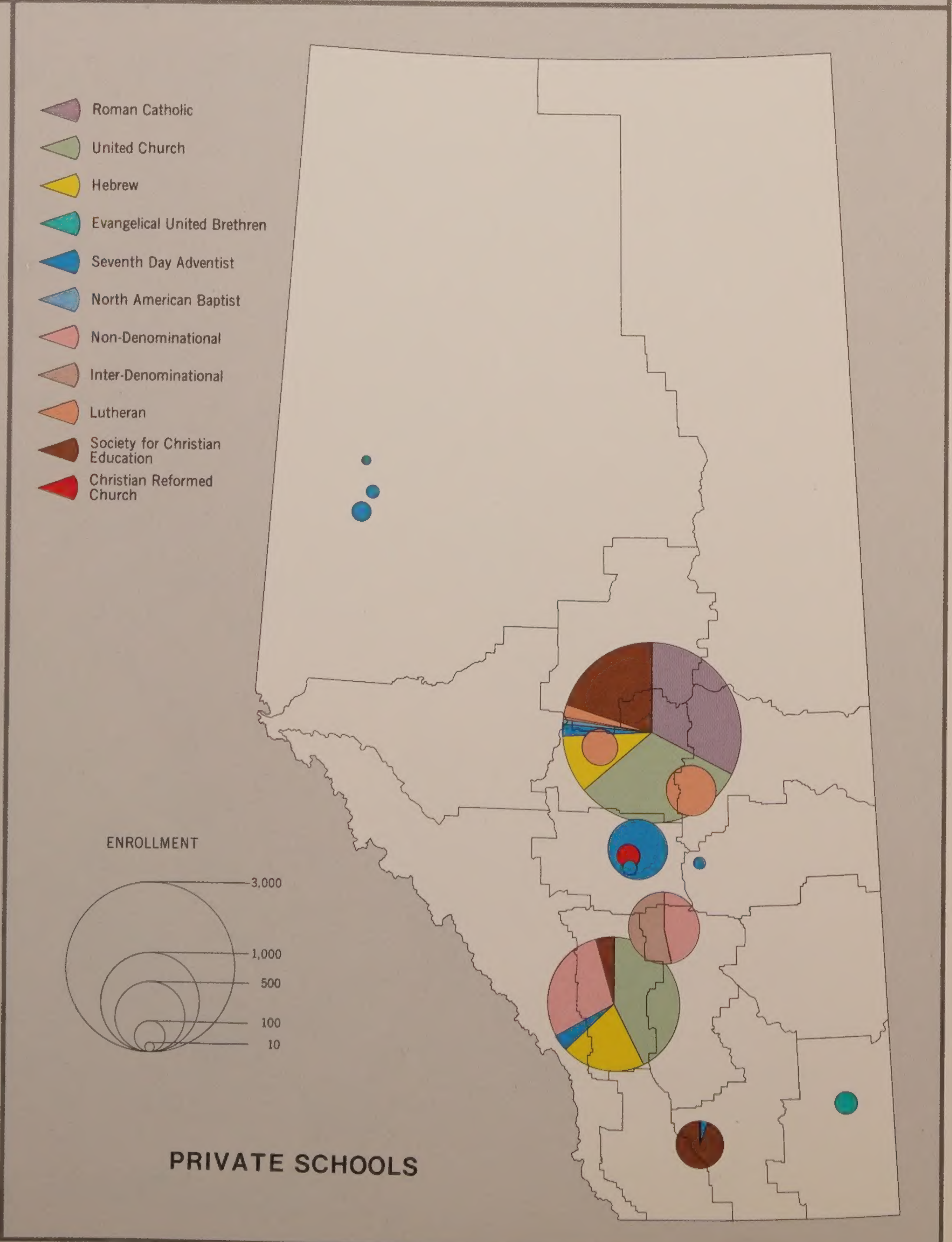
PUBLIC SCHOOLS


University
Agricultural Colleges
Commercial Colleges
Institutes of Technology
Junior Colleges (students following degree programme)
ENROLLMENT
20,000
10,000
500
250
100
50

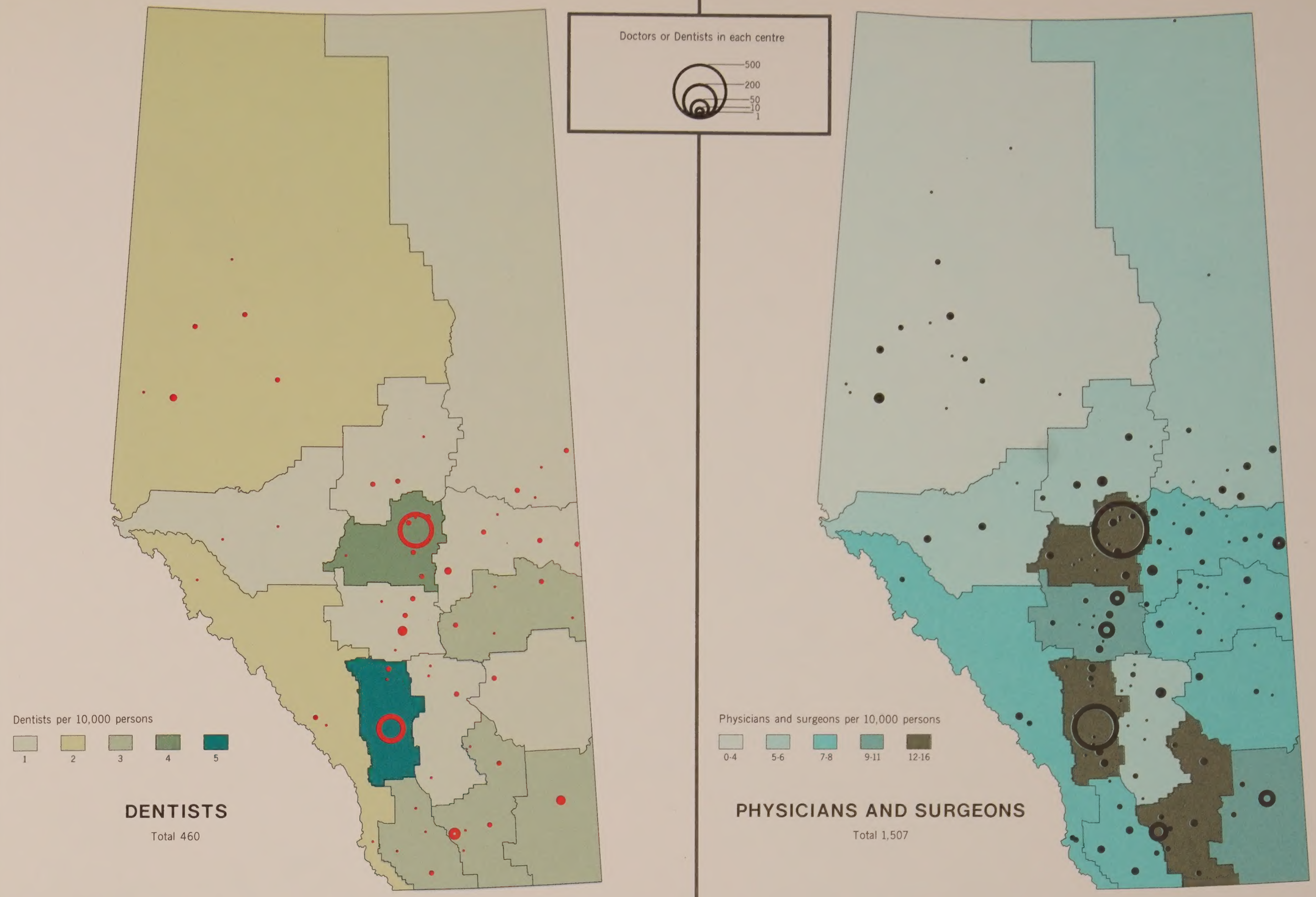
HIGHER EDUCATION


Roman Catholic
United Church
Mennonite
Anglican
Baptist
Unaffiliated
ENROLLMENT
750
500
250
100
50
10

SCHOOLS FOR INDIANS


Roman Catholic
United Church
Hebrew
Evangelical United Brethren
Seventh Day Adventist
North American Baptist
Non-Denominational
Inter-Denominational
Lutheran
Society for Christian Education
Christian Reformed Church
ENROLLMENT
3,000
1,000
500
100
10

PRIVATE SCHOOLS

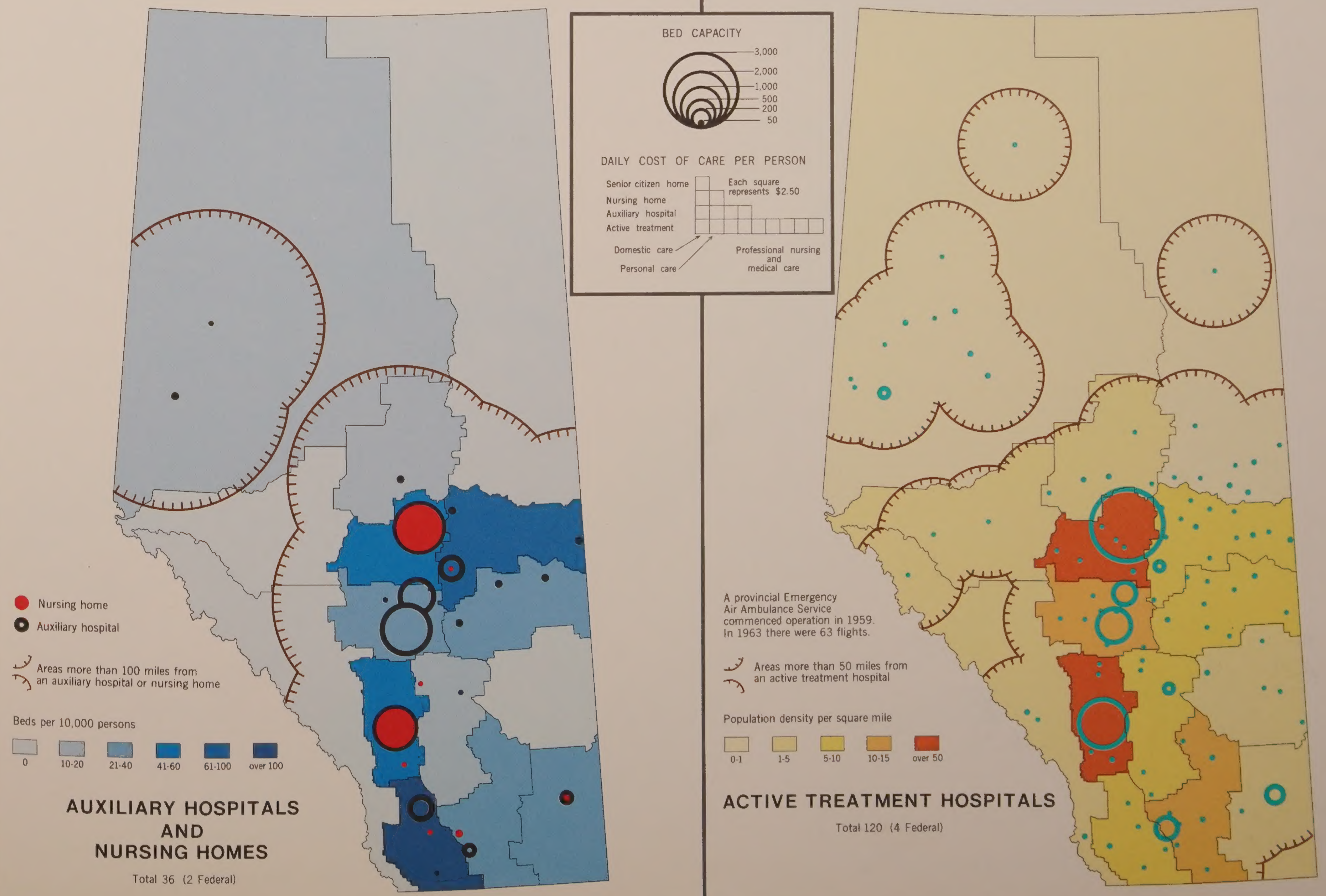

Doctors or Dentists in each centre
500
200
50
10
1
Dentists per 10,000 persons
1
2
3
4
5
Physicians and surgeons per 10,000 persons
0-4
5-6
7-8
9-11
12-16

DENTISTS

Total 460

PHYSICIANS AND SURGEONS

Total 1,507


BED CAPACITY
3,000
2,000
1,000
500
200
50
DAILY COST OF CARE PER PERSON
Senior citizen home
Nursing home
Auxiliary hospital
Active treatment
Each square represents $2.50
Domestic care
Personal care
Professional nursing and medical care
Nursing home
Auxiliary hospital
Areas more than 100 miles from an auxiliary hospital or nursing home
Beds per 10,000 persons
0
10-20
21-40
41-60
61-100
over 100
Areas more than 50 miles from an active treatment hospital
Population density per square mile
0-1
1-5
5-10
10-15
over 50

AUXILIARY HOSPITALS AND NURSING HOMES

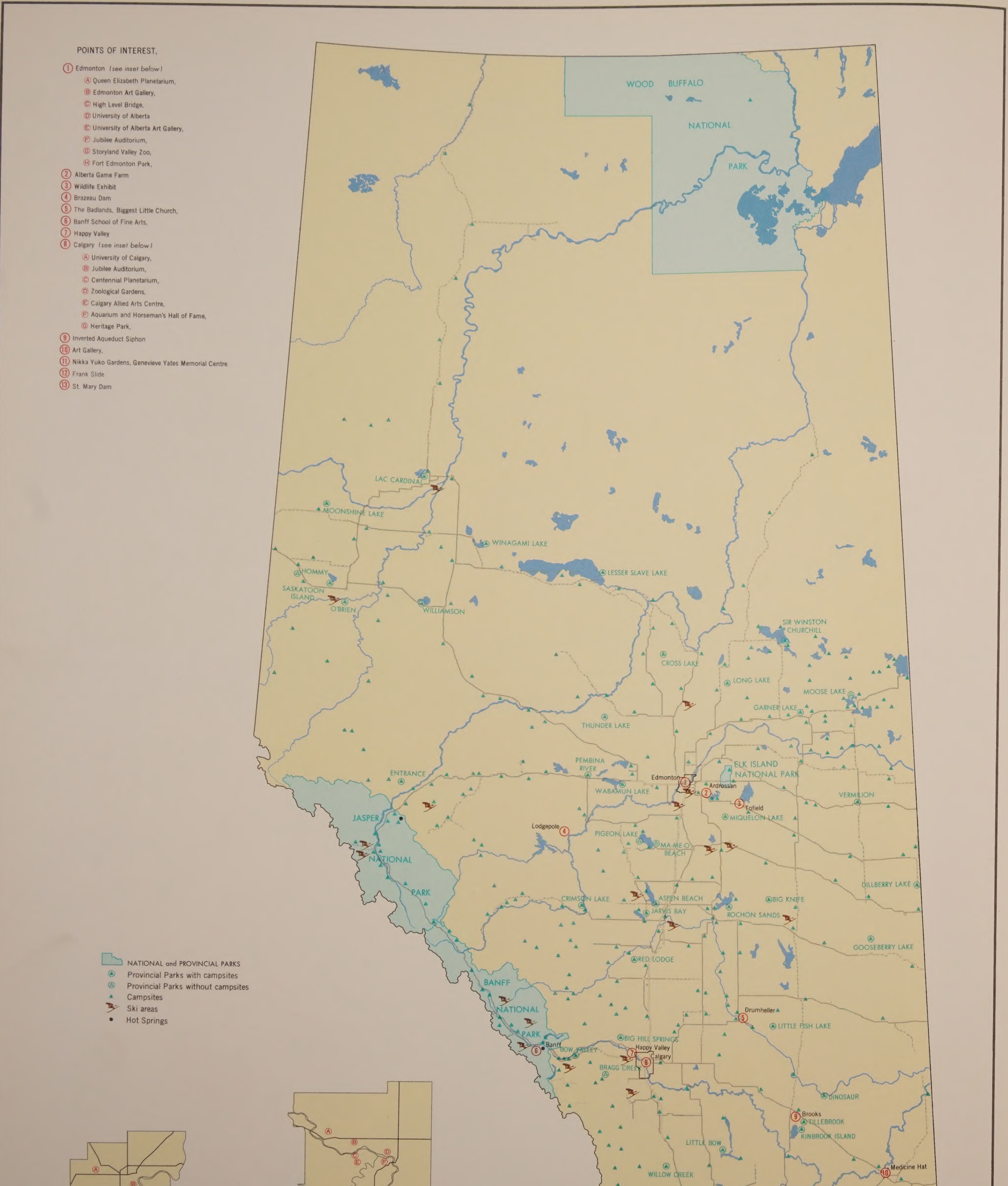
Total 36 (2 Federal)

A provincial Emergency Air Ambulance Service commenced operation in 1959. In 1963 there were 63 flights.

ACTIVE TREATMENT HOSPITALS

Total 120 (4 Federal)

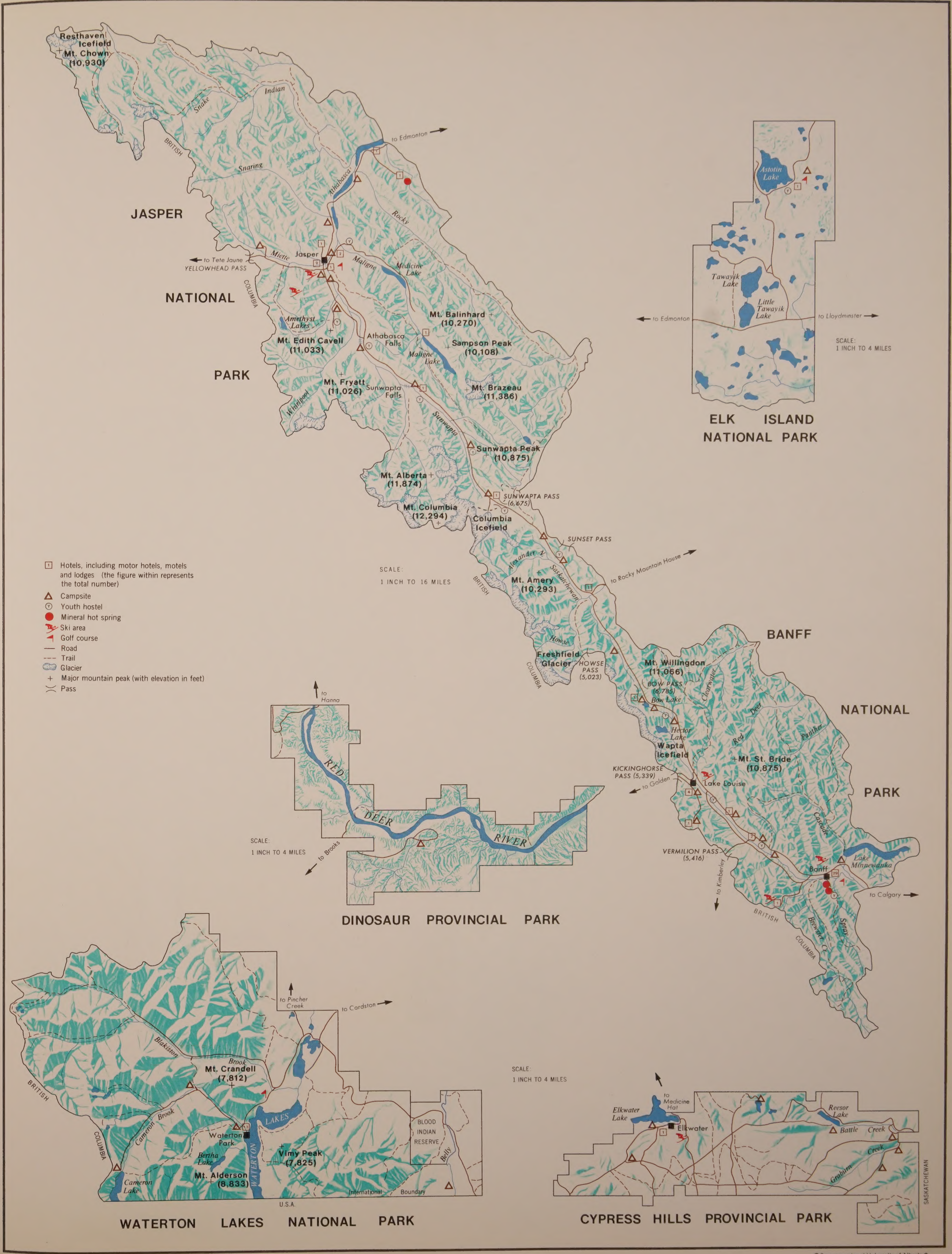
RECREATION



POINTS OF INTEREST,

- ① Edmonton *(see inset below)*
  - Ⓐ Queen Elizabeth Planetarium,
  - Ⓑ Edmonton Art Gallery,
  - Ⓒ High Level Bridge,
  - Ⓓ University of Alberta
  - Ⓔ University of Alberta Art Gallery,
  - Ⓕ Jubilee Auditorium,
  - Ⓖ Storyland Valley Zoo,
  - Ⓗ Fort Edmonton Park,
- ② Alberta Game Farm
- ③ Wildlife Exhibit
- ④ Brazeau Dam
- ⑤ The Badlands, Biggest Little Church,
- ⑥ Banff School of Fine Arts,
- ⑦ Happy Valley
- ⑧ Calgary *(see inset below)*
  - Ⓐ University of Calgary,
  - Ⓑ Jubilee Auditorium,
  - Ⓒ Centennial Planetarium,
  - Ⓓ Zoological Gardens,
  - Ⓔ Calgary Allied Arts Centre,
  - Ⓕ Aquarium and Horseman's Hall of Fame,
  - Ⓖ Heritage Park,
- ⑨ Inverted Aqueduct Siphon
- ⑩ Art Gallery,
- ⑪ Nikka Yuko Gardens, Genevieve Yates Memorial Centre
- ⑫ Frank Slide
- ⑬ St. Mary Dam

WOOD BUFFALO NATIONAL PARK
LAC CARDINAL
MOONSHINE LAKE
WINAGAMI LAKE
LESSER SLAVE LAKE
HOMMY
SASKATOON ISLAND
O'BRIEN
WILLIAMSON
SIR WINSTON CHURCHILL
CROSS LAKE
LONG LAKE
MOOSE LAKE
GARNER LAKE
THUNDER LAKE
PEMBINA RIVER
ENTRANCE
ELK ISLAND NATIONAL PARK
Edmonton
Ardrossan
WABAMUN LAKE
Tofield
VERMILION
JASPER NATIONAL PARK
MIQUELON LAKE
Lodgepole
PIGEON LAKE
MA-ME-O BEACH
DILLBERRY LAKE
CRIMSON LAKE
ASPEN BEACH
BIG KNIFE
JARVIS BAY
ROCHON SANDS
GOOSEBERRY LAKE
RED LODGE
BANFF NATIONAL PARK
Drumheller
LITTLE FISH LAKE
BIG HILL SPRINGS
Banff
Happy Valley
BOW VALLEY
Calgary
BRAGG CREEK
DINOSAUR
Brooks
TILLEBROOK
KINBROOK ISLAND
LITTLE BOW
Medicine Hat
WILLOW CREEK
PARK LAKE
TABER PARK
CYPRESS HILLS
Lethbridge
Frank
BEAUVAIS LAKE
Magrath
WATERTON LAKES NATIONAL PARK
WOOLFORD
WRITING-ON-STONE
NATIONAL and PROVINCIAL PARKS
Provincial Parks with campsites
Provincial Parks without campsites
Campsites
Ski areas
Hot Springs
EDMONTON
CALGARY


Resthaven Icefield
Mt. Chown (10,930)
Snake
Indian
Snaring
Athabasca
to Edmonton
Rocky
BRITISH
COLUMBIA
Miette
Jasper
to Tete Jaune
YELLOWHEAD PASS
Maligne
Medicine Lake
Amethyst Lakes
Mt. Edith Cavell (11,033)
Athabasca Falls
Mt. Balinhard (10,270)
Sampson Peak (10,108)
Maligne Lake
Mt. Fryatt (11,026)
Sunwapta Falls
Whirlpool
Mt. Brazeau (11,386)
Sunwapta
Sunwapta Peak (10,875)
Mt. Alberta (11,874)
SUNWAPTA PASS (6,675)
Mt. Columbia (12,294)
Columbia Icefield
SUNSET PASS
Alexandra
N. Saskatchewan
to Rocky Mountain House
Mt. Amery (10,293)
Howse
Freshfield Glacier
HOWSE PASS (5,023)
Mt. Willingdon (11,066)
BOW PASS (6,785)
Bow Lake
Clearwater
Hector Lake
Wapta Icefield
Red Deer
Panther
Mt. St. Bride (10,875)
KICKINGHORSE PASS (5,339)
to Golden
Lake Louise
Cascade
VERMILION PASS (5,416)
to Kimberley
Lake Minnewanka
Banff
to Calgary
Brewster Cr.
Spray
Astotin Lake
Tawayik Lake
Little Tawayik Lake
to Edmonton
to Lloydminster
to Hanna
RED DEER RIVER
to Brooks
to Pincher Creek
to Cardston
Blakiston
Brook
Mt. Crandell (7,812)
Cameron
WATERTON LAKES
Waterton Park
Bertha Lake
Mt. Alderson (8,833)
Vimy Peak (7,825)
Cameron Lake
BLOOD INDIAN RESERVE
Belly
International Boundary
U.S.A.
to Medicine Hat
Elkwater Lake
Elkwater
Reesor Lake
Battle Creek
Graburn Creek
SASKATCHEWAN

JASPER NATIONAL PARK

BANFF NATIONAL PARK

SCALE: 1 INCH TO 16 MILES

- 1 Hotels, including motor hotels, motels and lodges (the figure within represents the total number)
- △ Campsite
- Ⓨ Youth hostel
- ● Mineral hot spring
- Ski area
- Golf course
- — Road
- --- Trail
- Glacier
- + Major mountain peak (with elevation in feet)
- Pass

ELK ISLAND NATIONAL PARK

SCALE: 1 INCH TO 4 MILES

DINOSAUR PROVINCIAL PARK

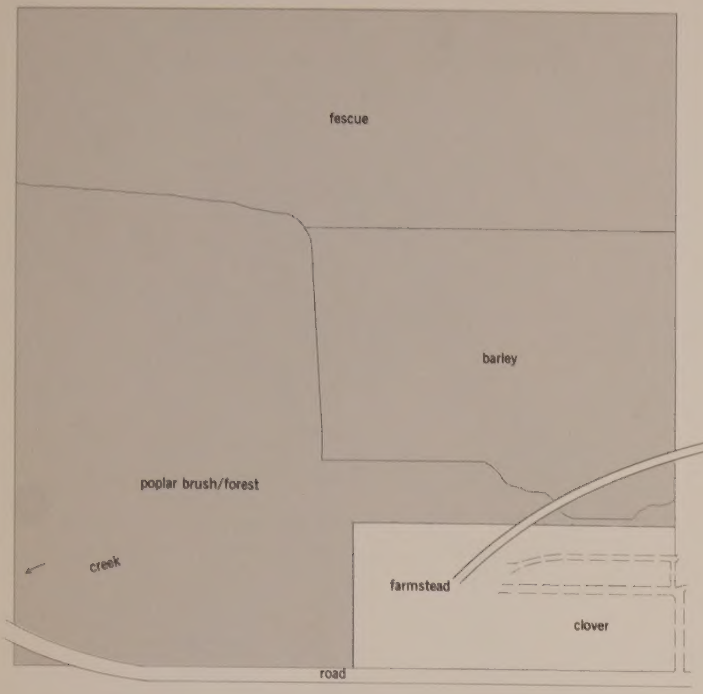
SCALE: 1 INCH TO 4 MILES

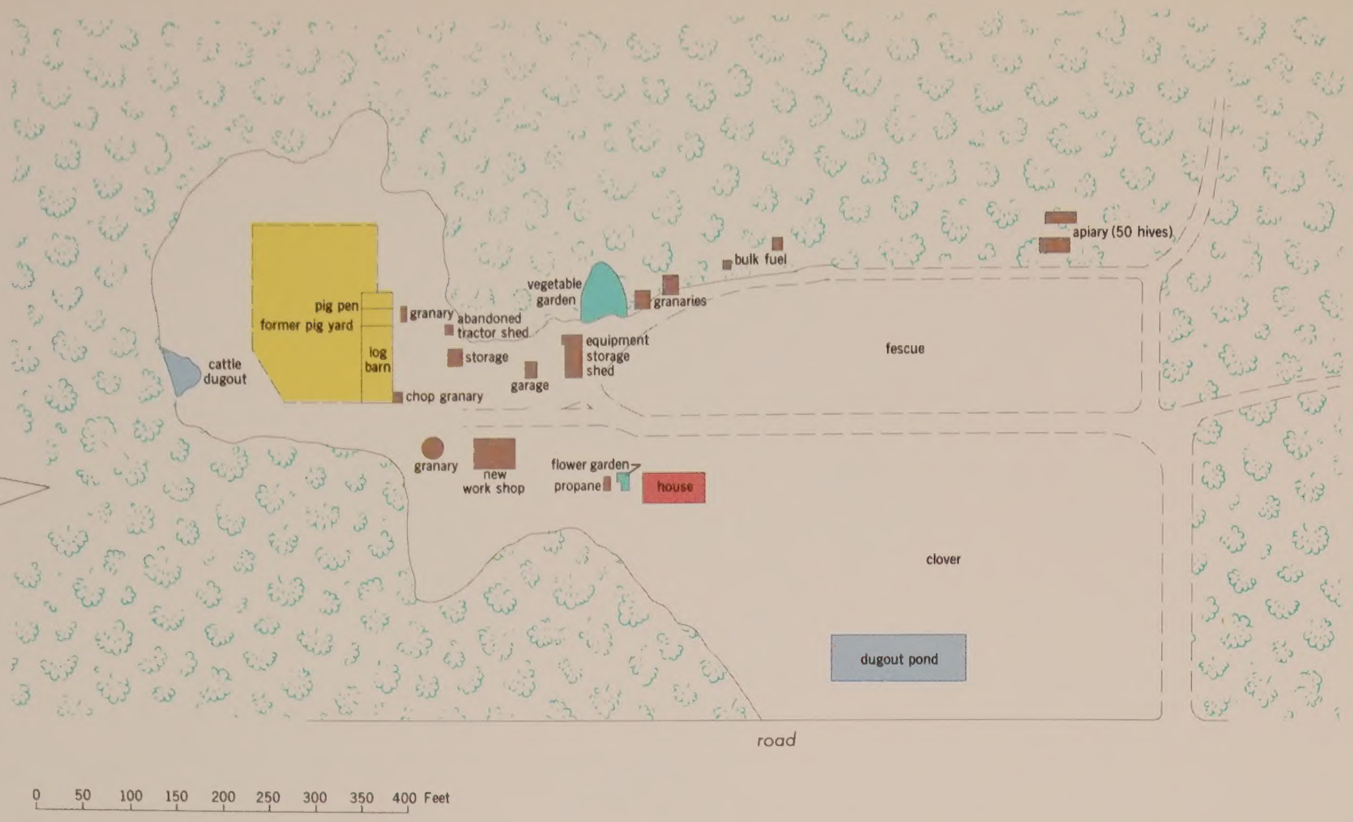
WATERTON LAKES NATIONAL PARK

CYPRESS HILLS PROVINCIAL PARK

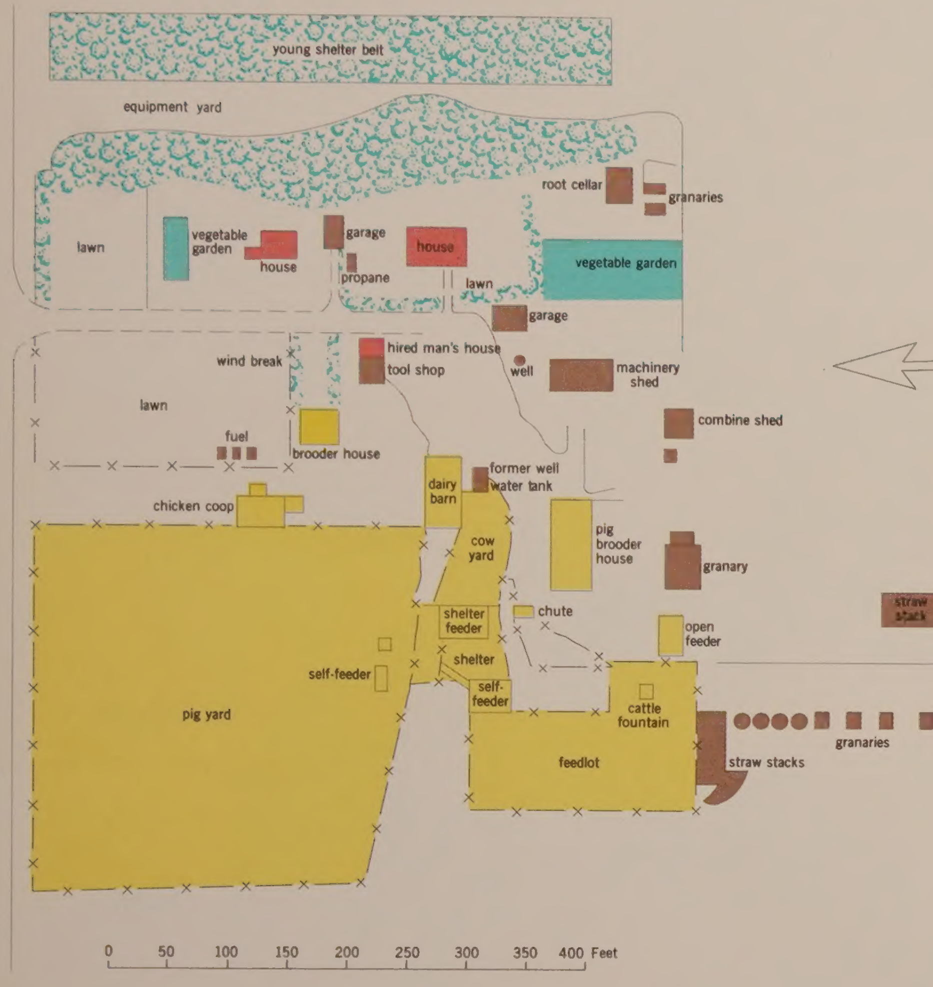
SCALE: 1 INCH TO 4 MILES

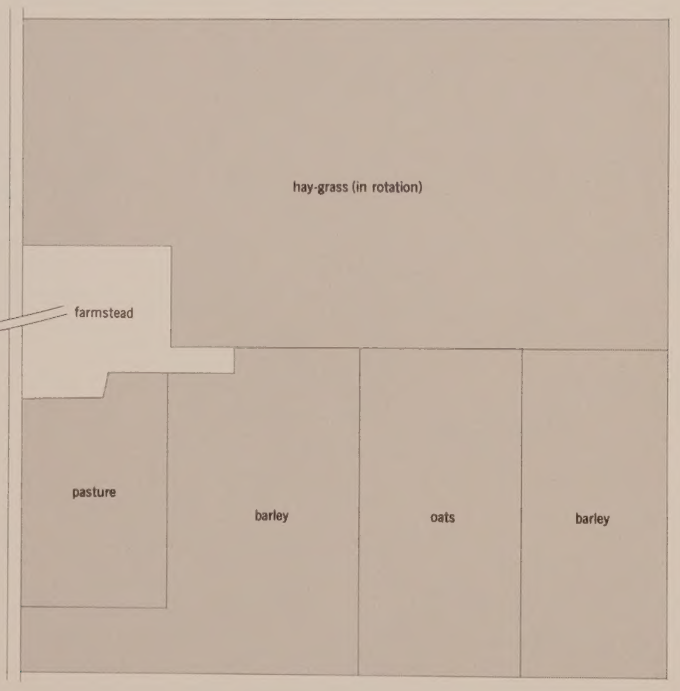
SEED FARM


fescue
barley
poplar brush/forest
creek
farmstead
clover
road

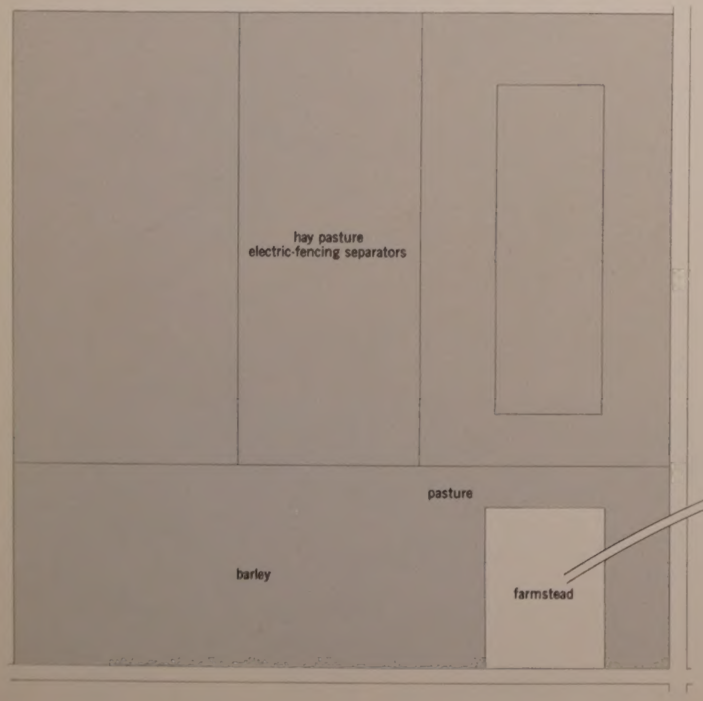

apiary (50 hives)
bulk fuel
vegetable garden
granaries
pig pen
former pig yard
granary
abandoned tractor shed
log barn
storage
equipment storage shed
fescue
cattle dugout
garage
chop granary
granary
new work shop
flower garden
propane
house
clover
dugout pond
road
0 50 100 150 200 250 300 350 400 Feet

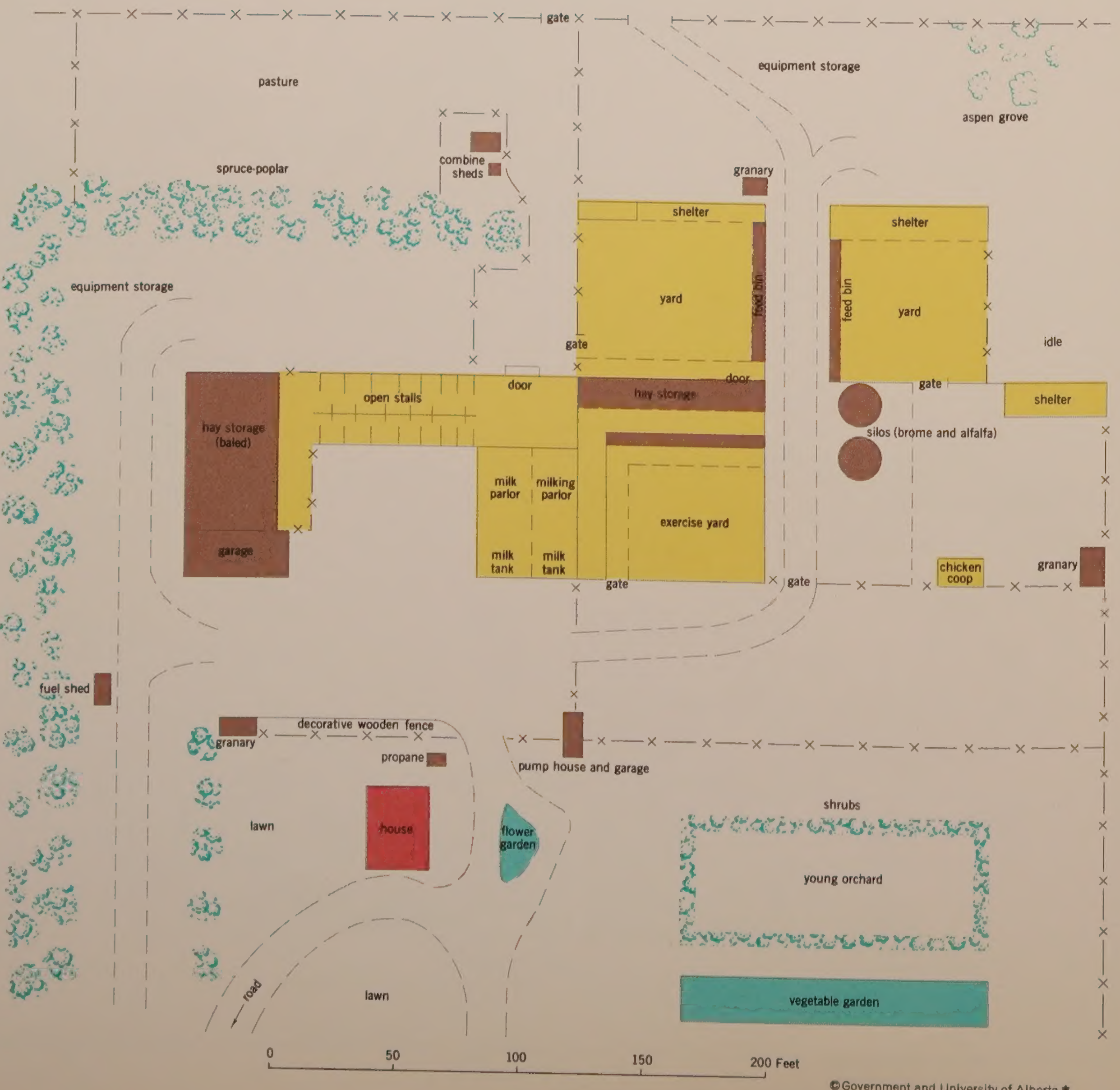
MIXED FARM (HOGS, GRAIN)

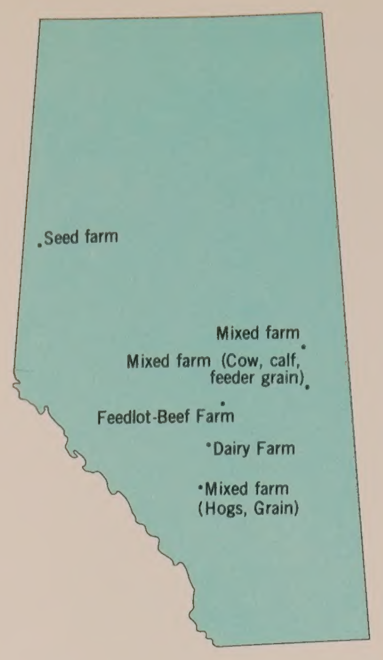

young shelter belt
equipment yard
root cellar
granaries
lawn
vegetable garden
house
garage
propane
house
lawn
vegetable garden
garage
road
wind break
hired man's house
tool shop
well
machinery shed
lawn
combine shed
fuel
brooder house
former well
water tank
chicken coop
dairy barn
cow yard
pig brooder house
granary
straw stack
chute
shelter feeder
open feeder
self-feeder
shelter
self-feeder
cattle fountain
pig yard
feedlot
straw stacks
granaries
0 50 100 150 200 250 300 350 400 Feet


hay-grass (in rotation)
farmstead
pasture
barley
oats
barley

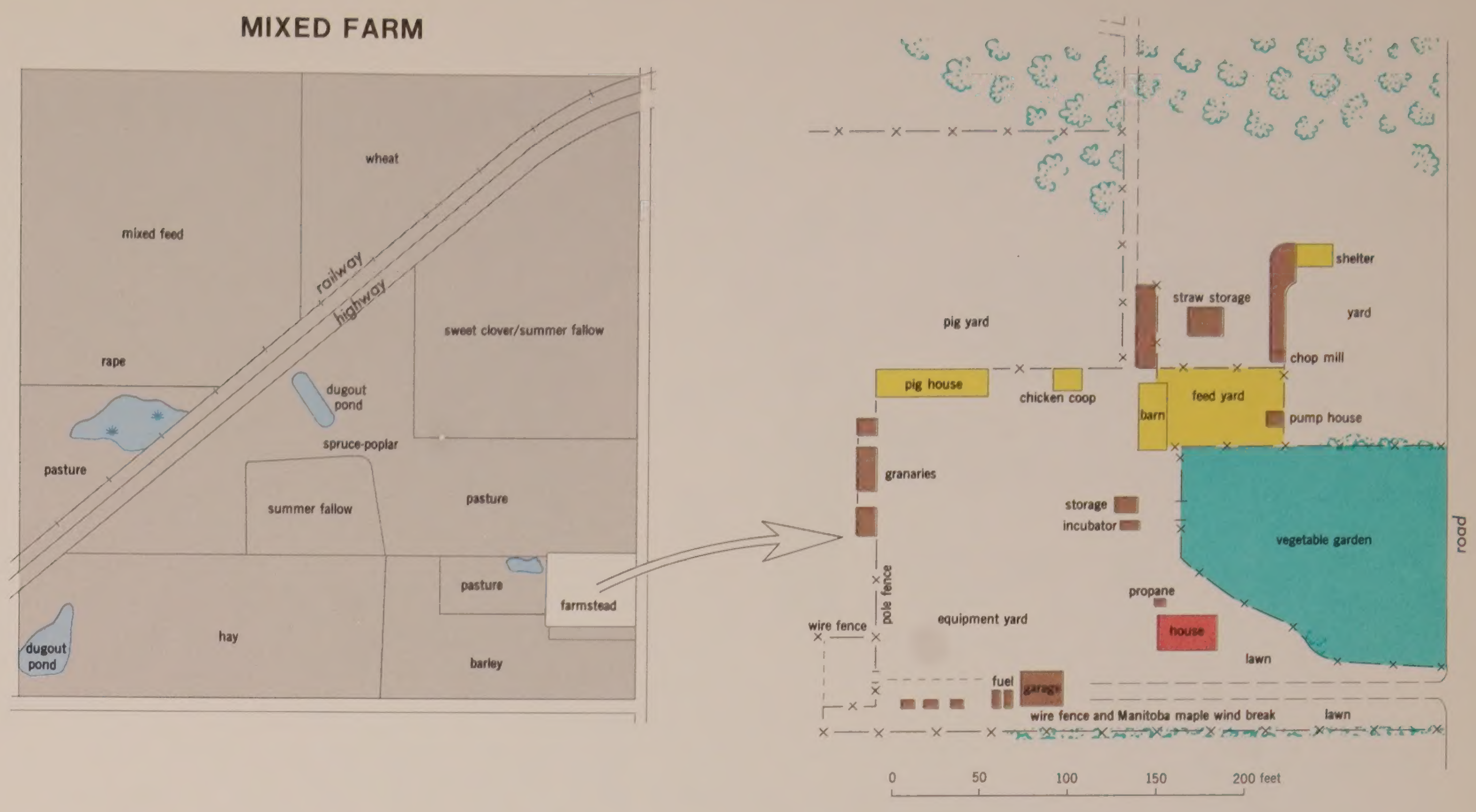
DAIRY FARM


hay pasture
electric-fencing separators
pasture
barley
farmstead


gate
pasture
equipment storage
aspen grove
spruce-poplar
combine sheds
granary
shelter
shelter
equipment storage
yard
feed bin
feed bin
yard
idle
gate
door
open stalls
door
hay storage
gate
shelter
hay storage (baled)
silos (brome and alfalfa)
milk parlor
milking parlor
exercise yard
garage
milk tank
milk tank
gate
gate
chicken coop
granary
fuel shed
decorative wooden fence
granary
propane
pump house and garage
shrubs
lawn
house
flower garden
young orchard
road
lawn
vegetable garden
0 50 100 150 200 Feet


Seed farm
Mixed farm
Mixed farm (Cow, calf, feeder grain)
Feedlot-Beef Farm
Dairy Farm
Mixed farm (Hogs, Grain)

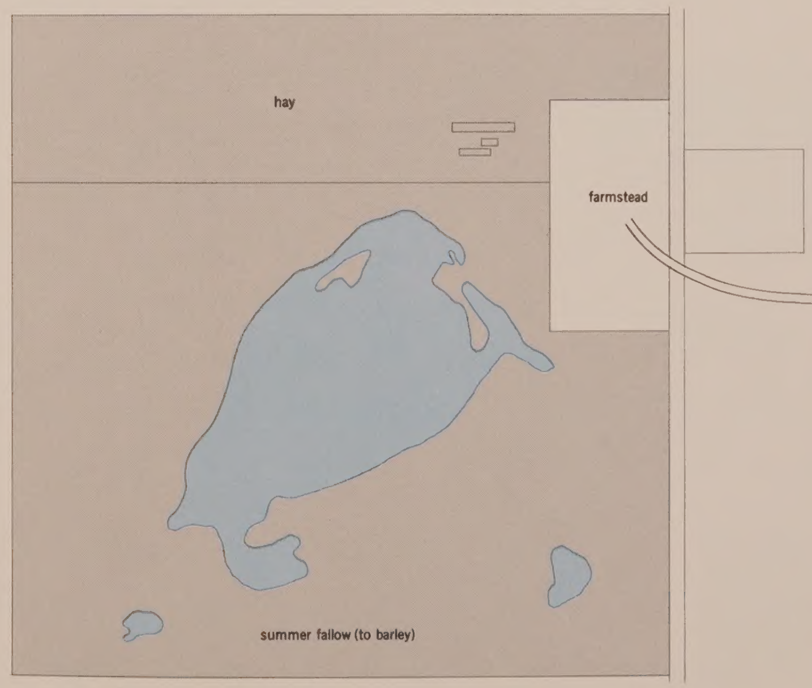
MIXED FARM

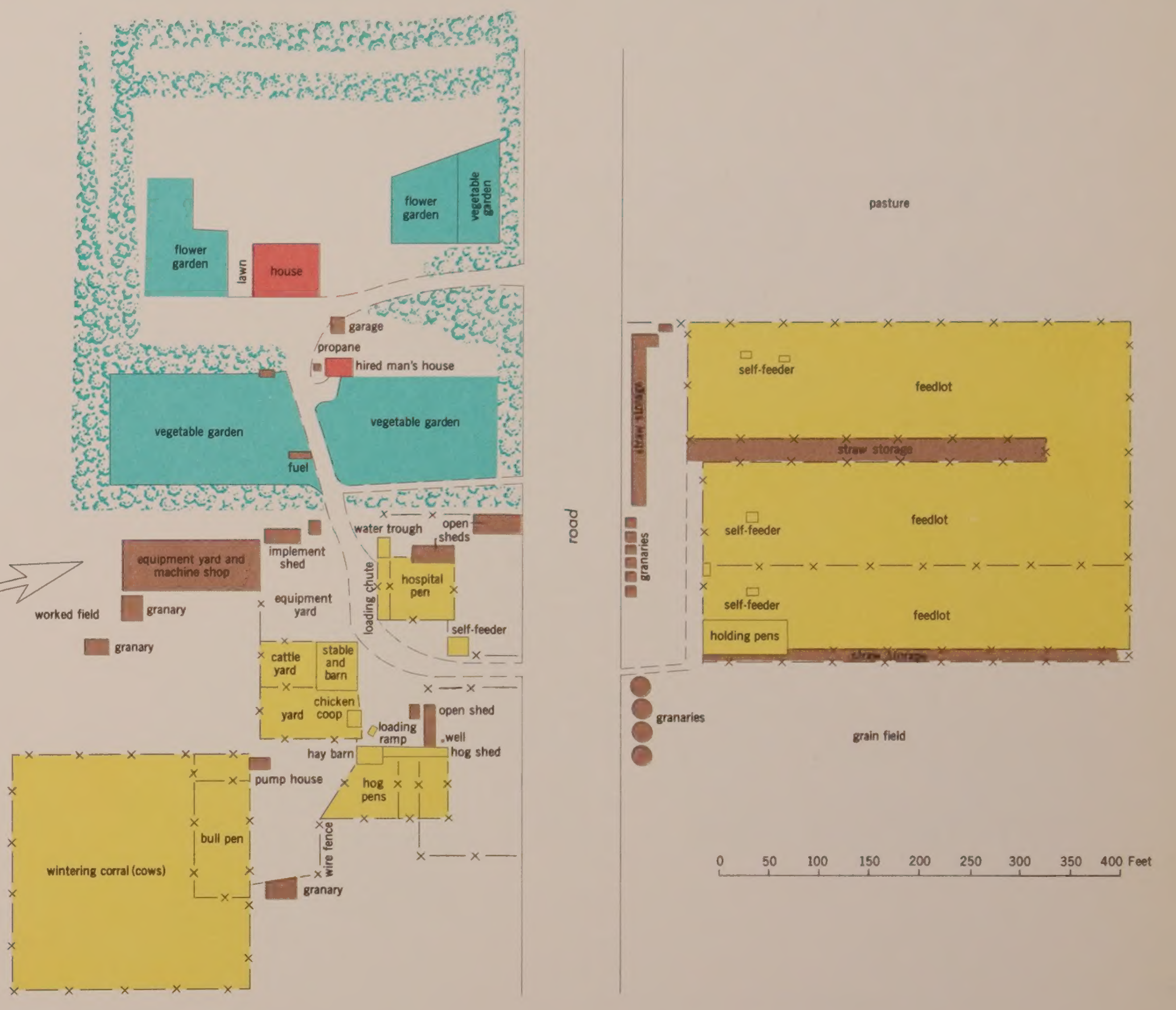

wheat
mixed feed
railway
highway
sweet clover/summer fallow
rape
dugout pond
spruce-poplar
pasture
summer fallow
pasture
pasture
farmstead
dugout pond
hay
barley
shelter
straw storage
pig yard
yard
chop mill
pig house
chicken coop
barn
feed yard
pump house
granaries
storage
incubator
vegetable garden
road
propane
pole fence
wire fence
equipment yard
house
lawn
fuel
garage
wire fence and Manitoba maple wind break
lawn
0
50
100
150
200 feet

Dominant land use, home quarter section and farmstead

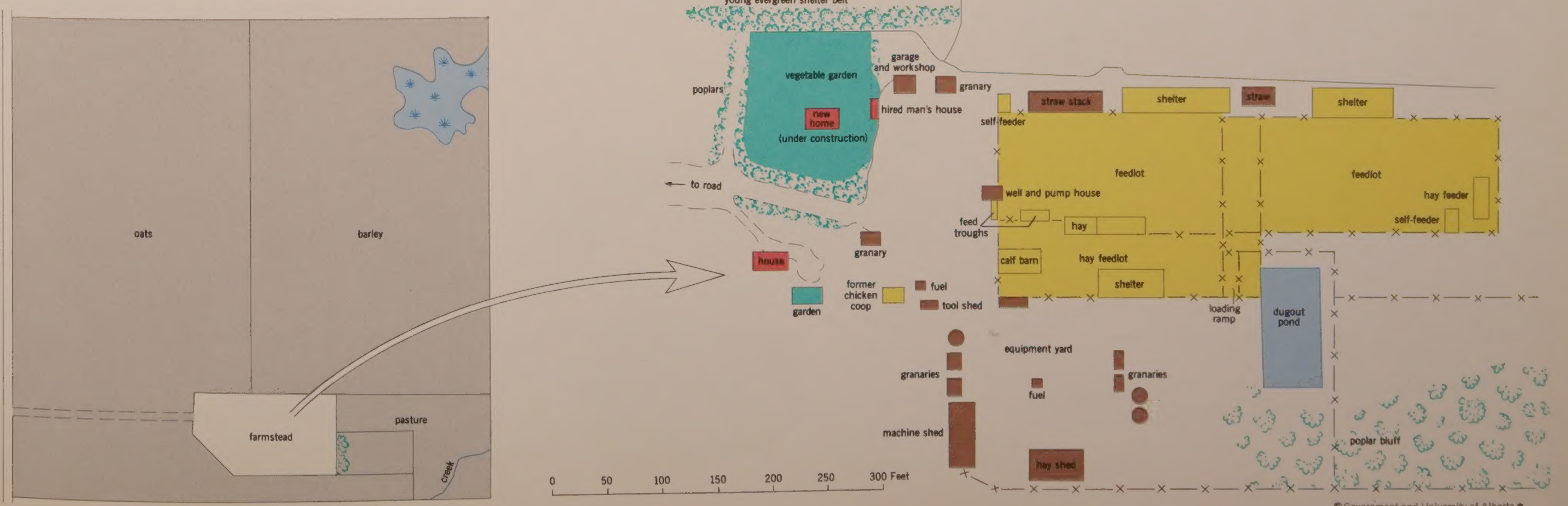
- 🟥 dwelling
- 🟨 animal yards and barns
- 🟫 general storage and other structures
- —×— fence
- scrub
- shelter
- slough and swale
- 🟦 garden

MIXED FARM (COW, CALF, FEEDER GRAIN)

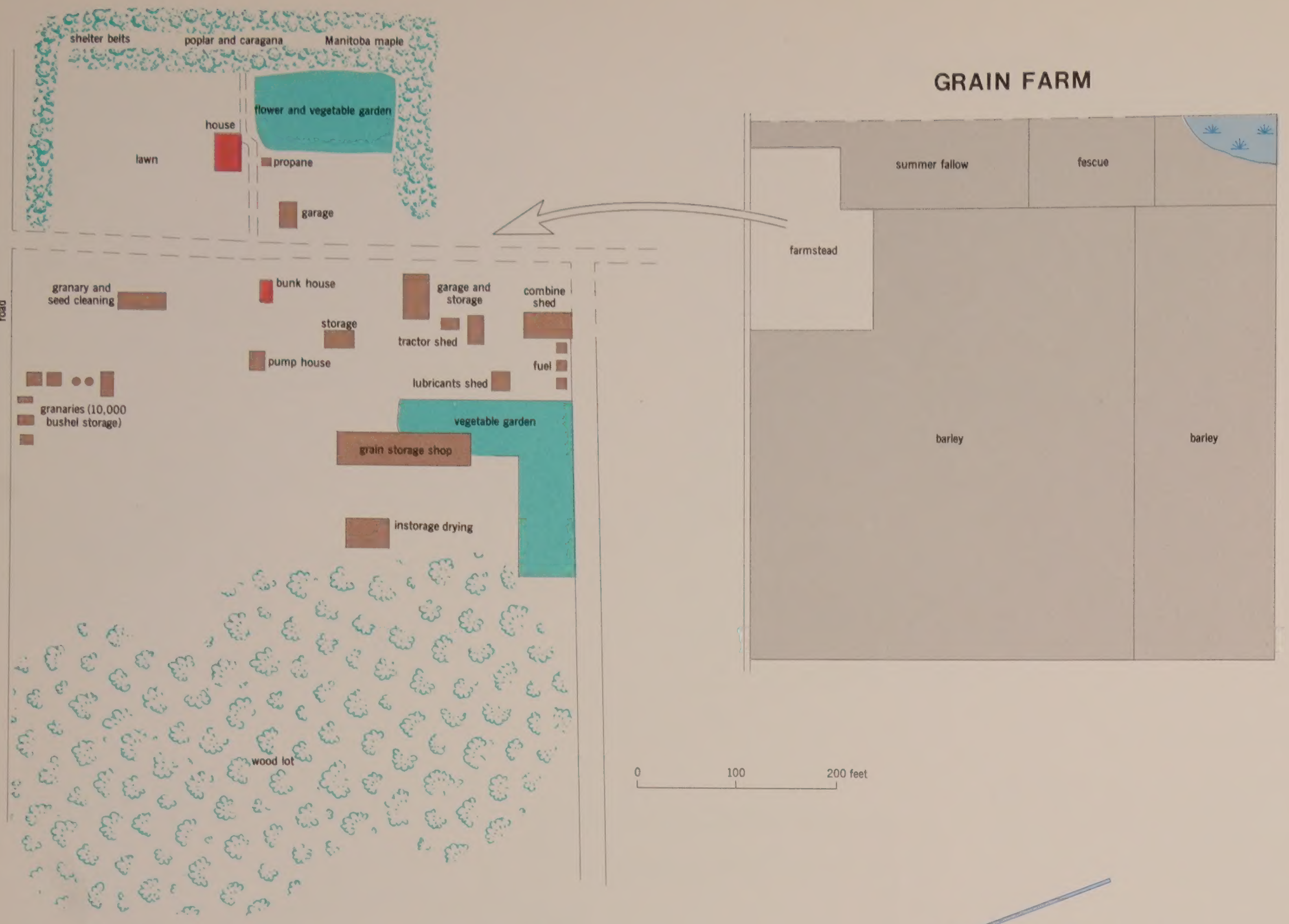

hay
farmstead
summer fallow (to barley)

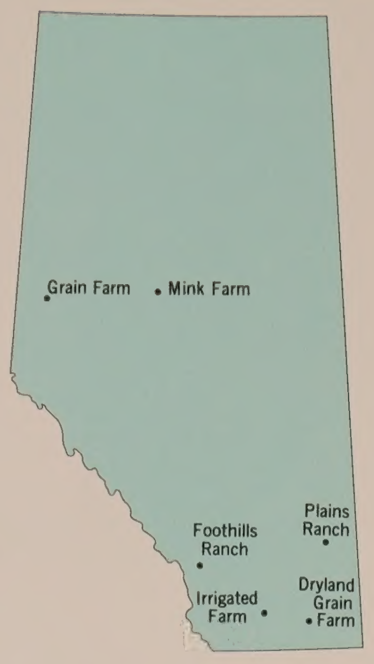

flower garden
lawn
house
flower garden
vegetable garden
pasture
garage
propane
hired man's house
vegetable garden
vegetable garden
fuel
straw storage
self-feeder
feedlot
straw storage
feedlot
self-feeder
self-feeder
feedlot
holding pens
straw storage
granaries
road
water trough
open sheds
equipment yard and machine shop
implement shed
equipment yard
loading chute
hospital pen
self-feeder
worked field
granary
granary
cattle yard
stable and barn
yard
chicken coop
loading ramp
open shed
well
hog shed
hay barn
pump house
hog pens
bull pen
wintering corral (cows)
wire fence
granary
granaries
grain field
0
50
100
150
200
250
300
350
400 Feet

FEEDLOT-BEEF FARM

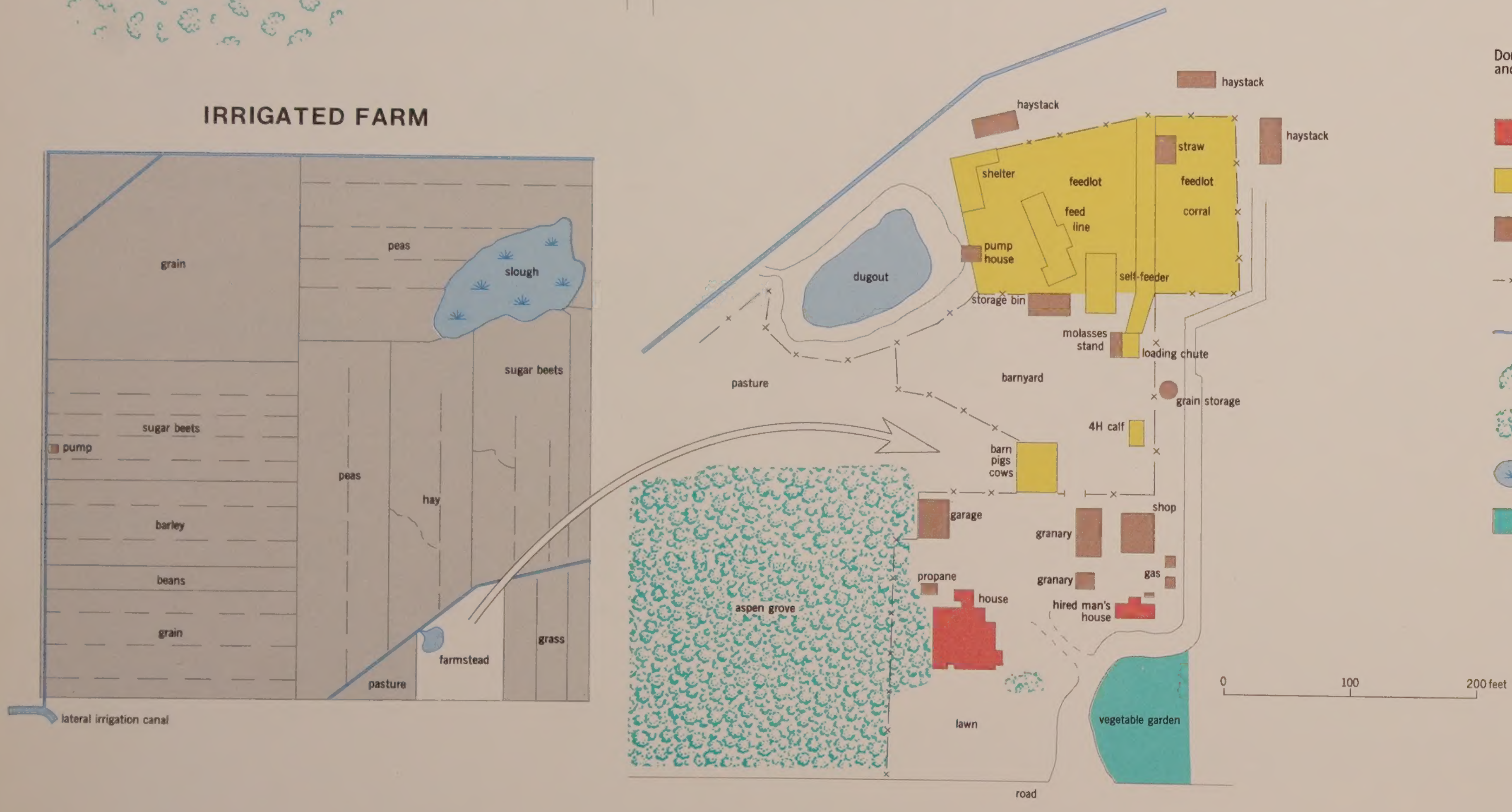

oats
barley
farmstead
pasture
creek
young evergreen shelter belt
vegetable garden
garage and workshop
granary
poplars
new home
(under construction)
hired man's house
straw stack
shelter
straw
shelter
self-feeder
feedlot
feedlot
to road
well and pump house
hay feeder
self-feeder
feed troughs
hay
granary
house
calf barn
hay feedlot
shelter
former chicken coop
fuel
tool shed
garden
loading ramp
dugout pond
equipment yard
granaries
granaries
fuel
machine shed
hay shed
poplar bluff
0
50
100
150
200
250
300 Feet

GRAIN FARM


shelter belts
poplar and caragana
Manitoba maple
house
flower and vegetable garden
lawn
propane
garage
road
granary and seed cleaning
bunk house
garage and storage
combine shed
storage
tractor shed
pump house
fuel
lubricants shed
granaries (10,000 bushel storage)
vegetable garden
grain storage shop
instorage drying
wood lot
summer fallow
fescue
farmstead
barley
barley
0
100
200 feet


Grain Farm
Mink Farm
Foothills Ranch
Plains Ranch
Irrigated Farm
Dryland Grain Farm

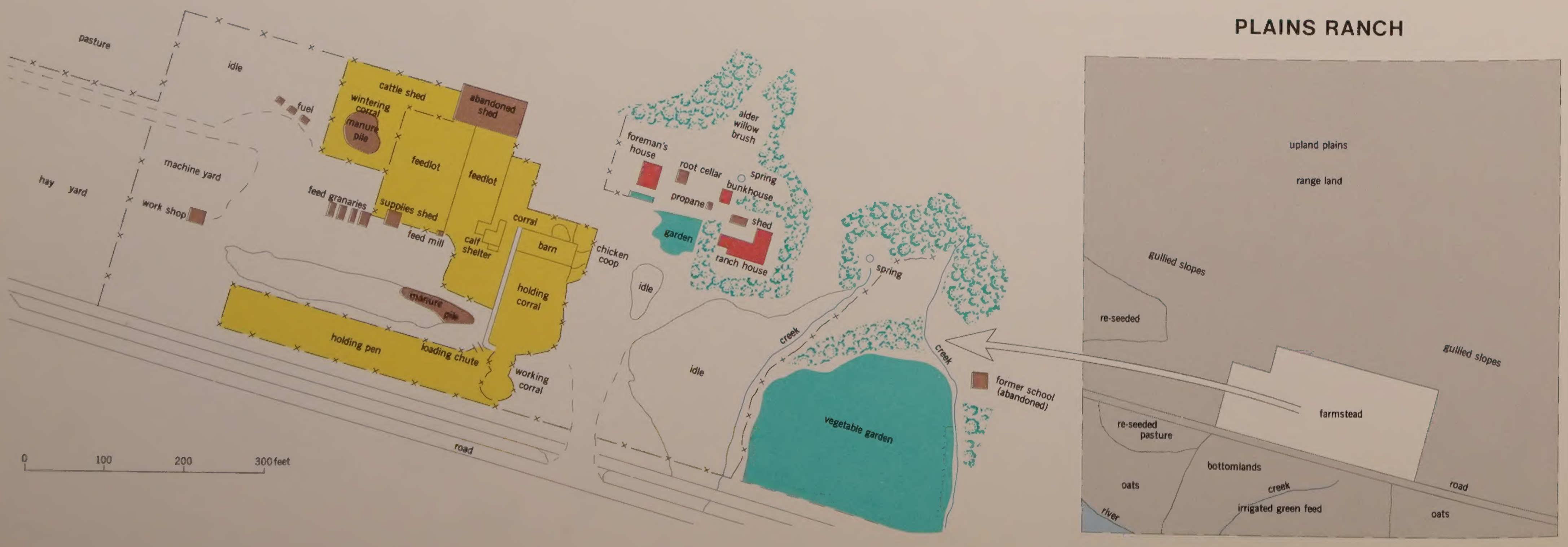
IRRIGATED FARM


grain
peas
slough
sugar beets
sugar beets
pump
peas
hay
barley
beans
grain
grass
farmstead
pasture
lateral irrigation canal
haystack
haystack
haystack
straw
shelter
feedlot
feedlot
feed line
corral
pump house
dugout
self-feeder
storage bin
molasses stand
loading chute
pasture
barnyard
grain storage
4H calf
barn pigs cows
garage
shop
granary
granary
gas
propane
house
hired man's house
aspen grove
lawn
vegetable garden
road
0
100
200 feet

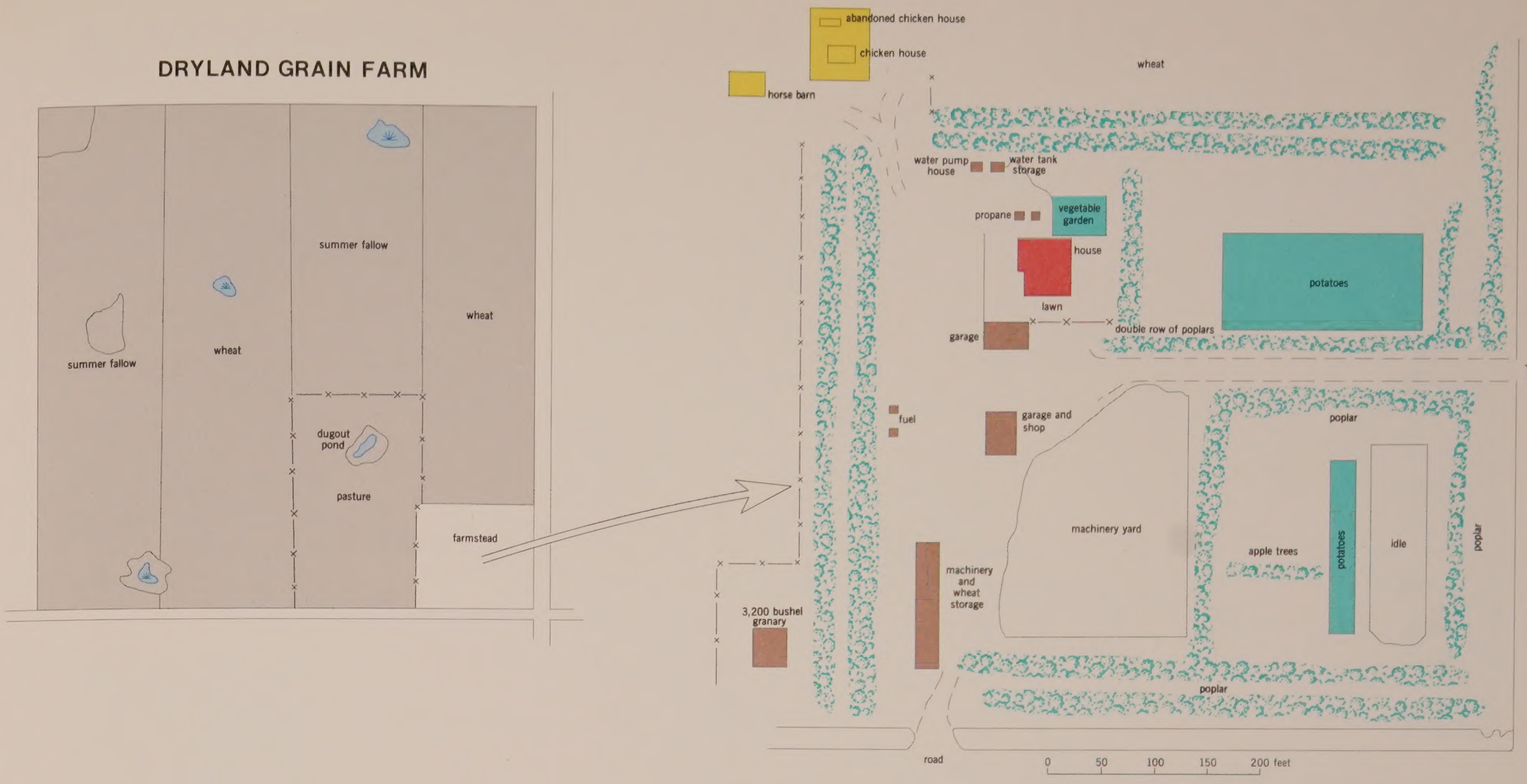
Dominant land use, home quarter section and farmstead

- 🟥 dwelling
- 🟨 animal yards and barns
- 🟫 general storage and other structures
- —×— fence
- irrigation ditch
- scrub
- shelter
- slough or swale
- 🟩 garden

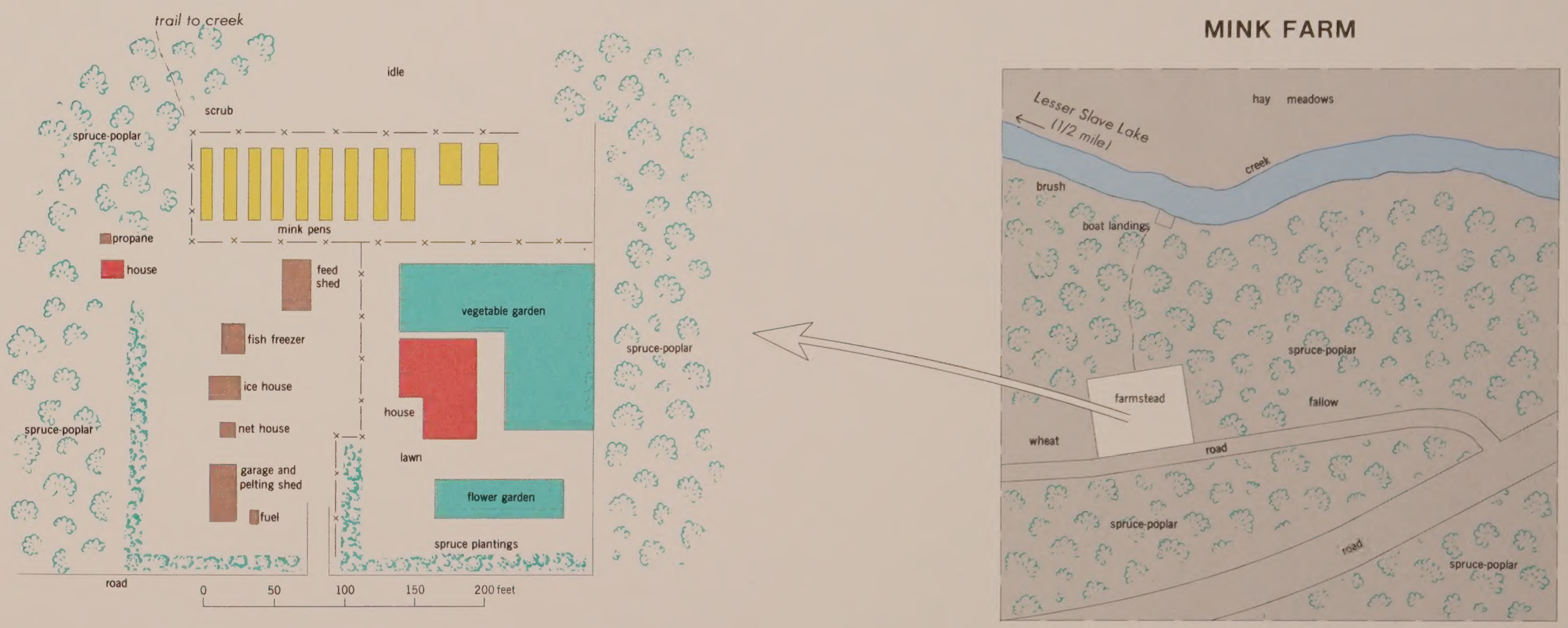
PLAINS RANCH


pasture
idle
fuel
cattle shed
abandoned shed
wintering corral
manure pile
feedlot
feedlot
machine yard
hay yard
work shop
feed granaries
supplies shed
feed mill
corral
calf shelter
barn
chicken coop
holding corral
manure pile
holding pen
loading chute
working corral
road
0
100
200
300 feet
alder willow brush
foreman's house
root cellar
spring
bunkhouse
propane
shed
garden
ranch house
idle
spring
idle
creek
creek
vegetable garden
former school (abandoned)
upland plains
range land
gullied slopes
re-seeded
gullied slopes
re-seeded pasture
farmstead
bottomlands
oats
creek
road
river
irrigated green feed
oats

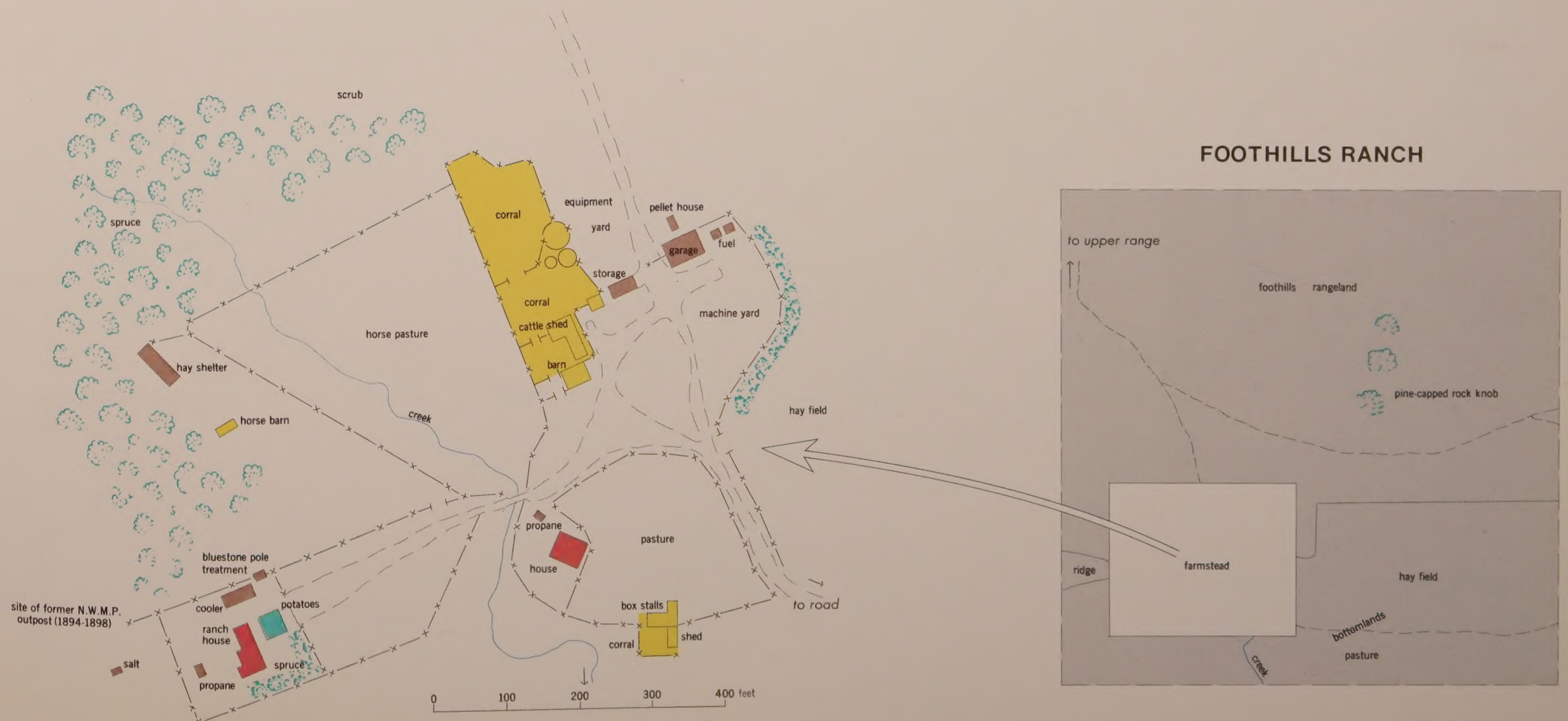
DRYLAND GRAIN FARM

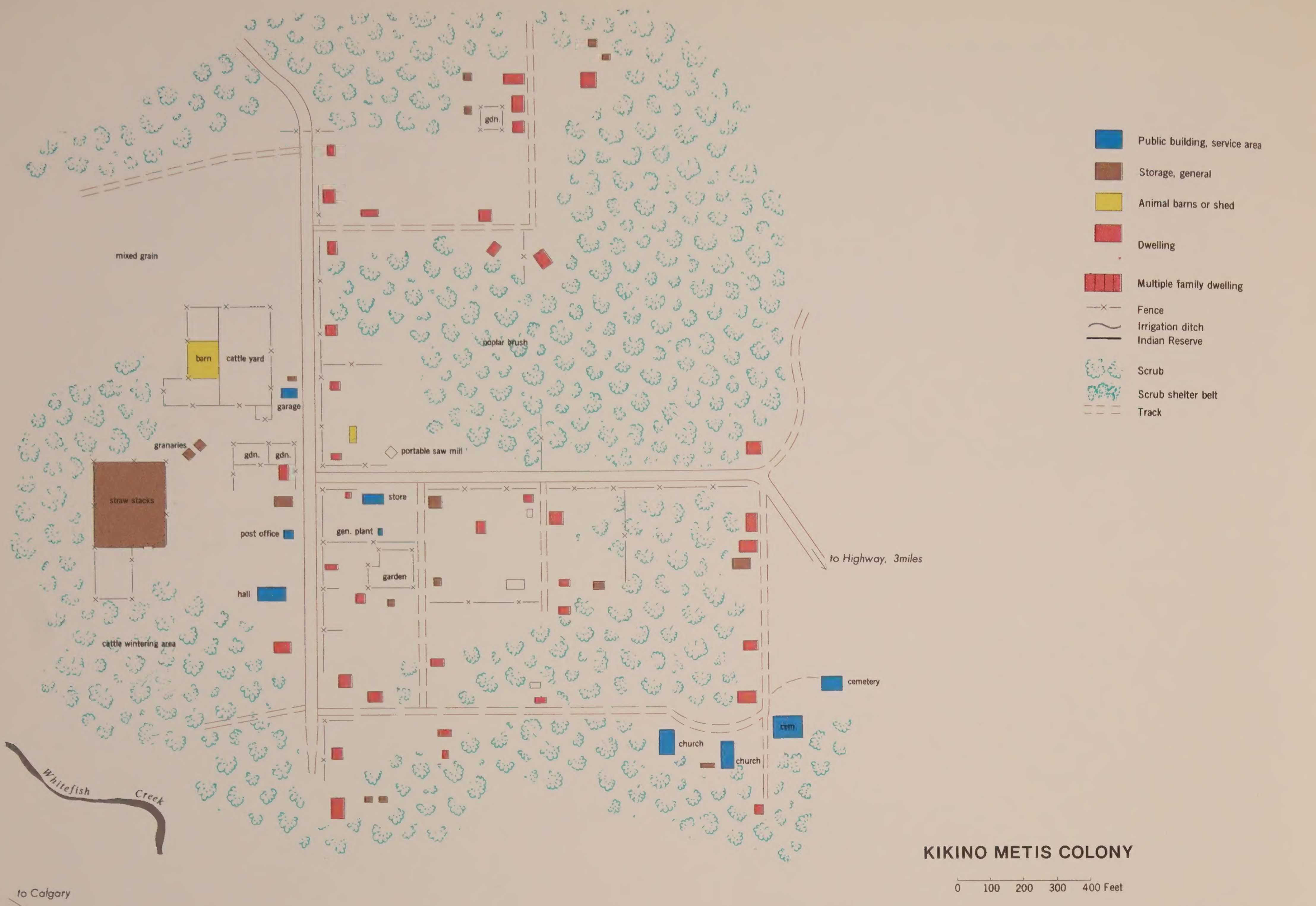

summer fallow
wheat
summer fallow
wheat
dugout pond
pasture
farmstead
abandoned chicken house
chicken house
horse barn
wheat
water pump house
water tank storage
propane
vegetable garden
house
lawn
garage
double row of poplars
potatoes
road
fuel
garage and shop
poplar
machinery yard
apple trees
potatoes
idle
poplar
machinery and wheat storage
3,200 bushel granary
poplar
road
0 50 100 150 200 feet

MINK FARM

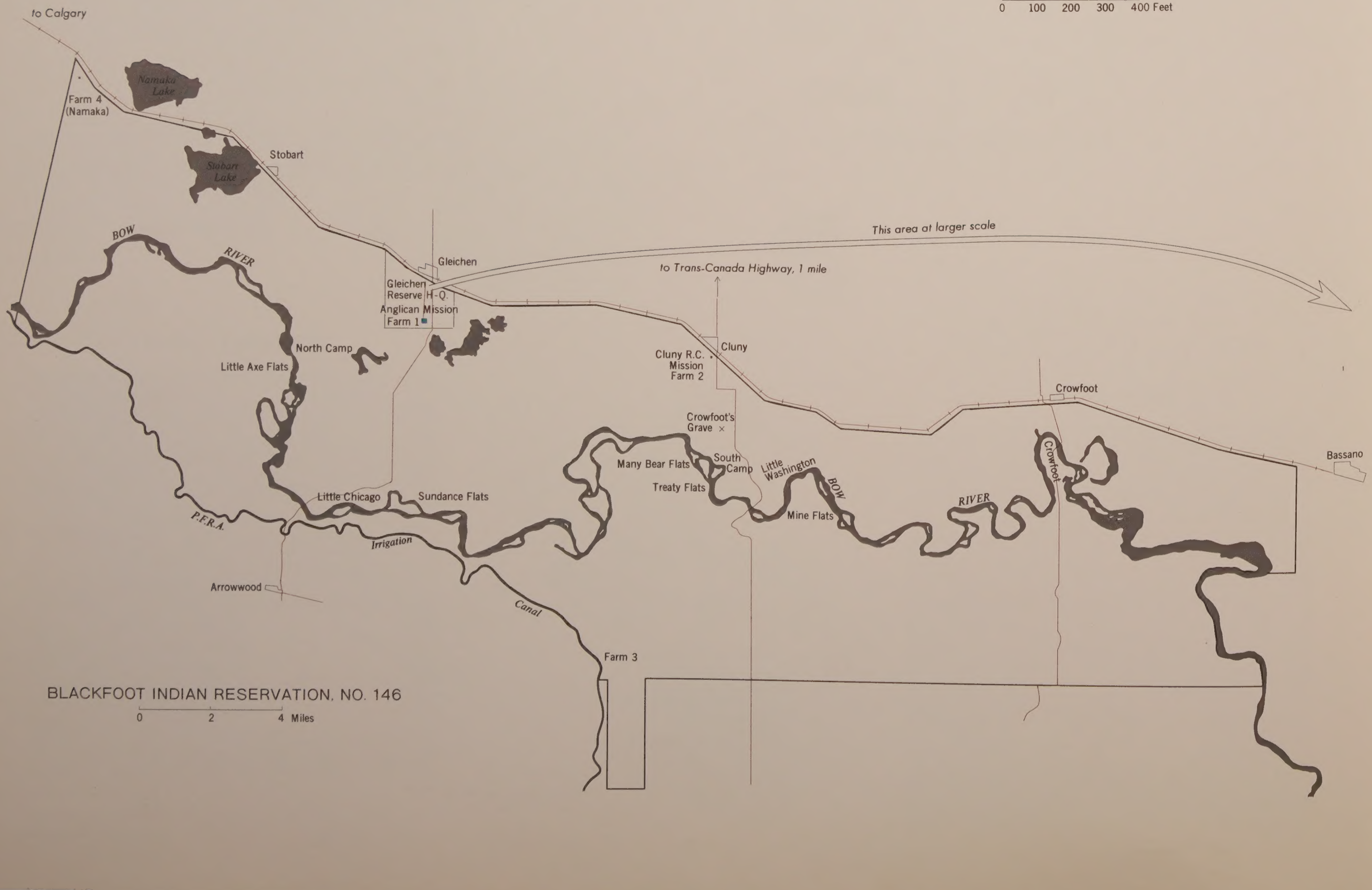

trail to creek
idle
scrub
spruce-poplar
mink pens
propane
house
feed shed
fish freezer
ice house
net house
garage and pelting shed
fuel
vegetable garden
house
lawn
flower garden
spruce plantings
spruce-poplar
spruce-poplar
road
0 50 100 150 200 feet
hay meadows
Lesser Slave Lake (1/2 mile)
creek
brush
boat landings
spruce-poplar
farmstead
fallow
wheat
road
spruce-poplar
road
spruce-poplar

FOOTHILLS RANCH

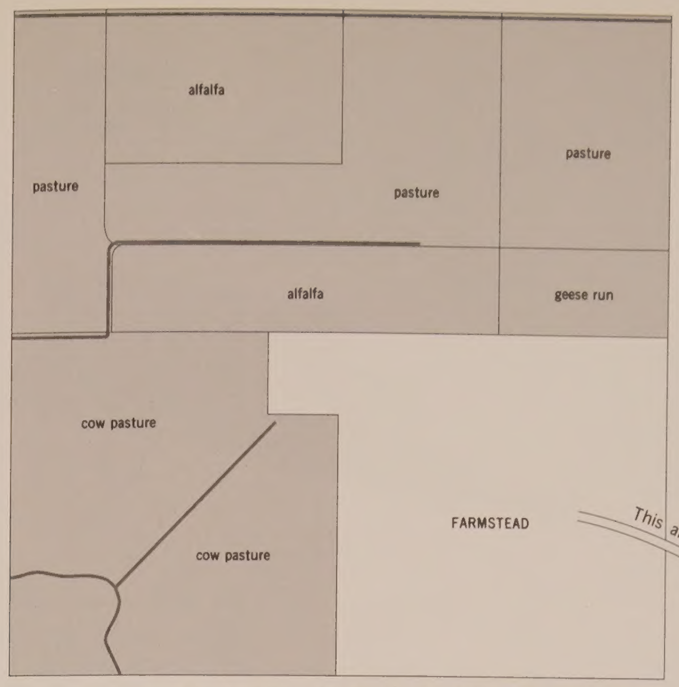

scrub
spruce
corral
equipment yard
pellet house
garage
fuel
storage
corral
cattle shed
barn
machine yard
horse pasture
hay shelter
horse barn
creek
hay field
propane
house
pasture
bluestone pole treatment
site of former N.W.M.P. outpost (1894-1898)
cooler
potatoes
ranch house
spruce
salt
propane
box stalls
shed
corral
to road
0 100 200 300 400 feet
to upper range
foothills rangeland
pine-capped rock knob
ridge
farmstead
hay field
bottomlands
creek
pasture


Public building, service area
Storage, general
Animal barns or shed
Dwelling
Multiple family dwelling
Fence
Irrigation ditch
Indian Reserve
Scrub
Scrub shelter belt
Track
gdn.
mixed grain
barn
cattle yard
garage
poplar brush
granaries
gdn.
gdn.
portable saw mill
straw stacks
store
post office
gen. plant
garden
to Highway, 3miles
hall
cattle wintering area
cemetery
cem
church
church
Whitefish Creek
0 100 200 300 400 Feet

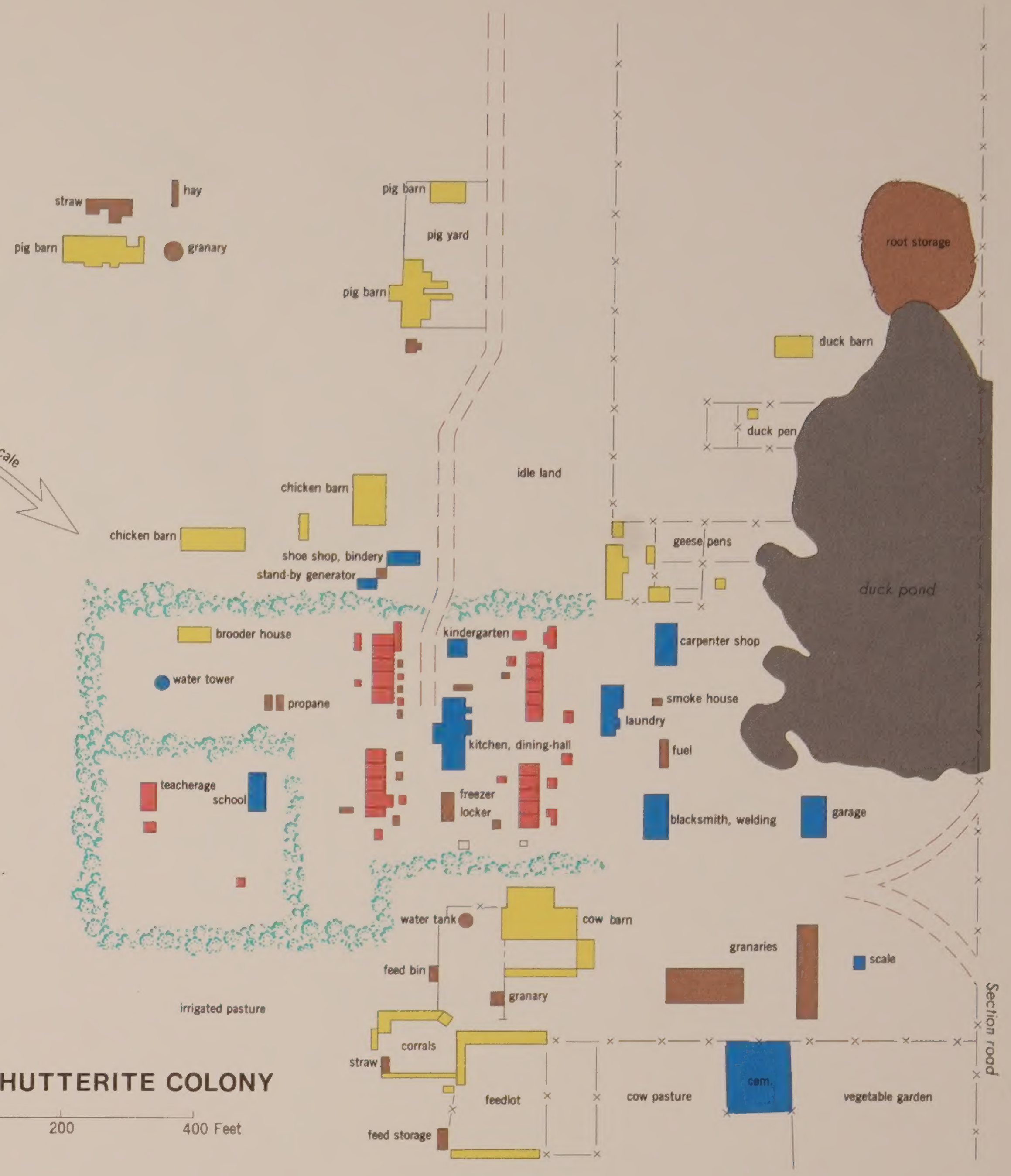
KIKINO METIS COLONY


to Calgary
Namaka Lake
Farm 4 (Namaka)
Stobart
Stobart Lake
BOW RIVER
This area at larger scale
Gleichen
to Trans-Canada Highway, 1 mile
Gleichen Reserve H-Q.
Anglican Mission
Farm 1
North Camp
Little Axe Flats
Cluny
Cluny R.C. Mission Farm 2
Crowfoot
Crowfoot's Grave
Many Bear Flats
South Camp
Little Washington
Treaty Flats
BOW RIVER
Crowfoot
Bassano
Little Chicago
Sundance Flats
Mine Flats
P.F.R.A. Irrigation Canal
Arrowwood
Farm 3
0 2 4 Miles

BLACKFOOT INDIAN RESERVATION, NO. 146


alfalfa
pasture
pasture
pasture
alfalfa
geese run
cow pasture
FARMSTEAD
cow pasture

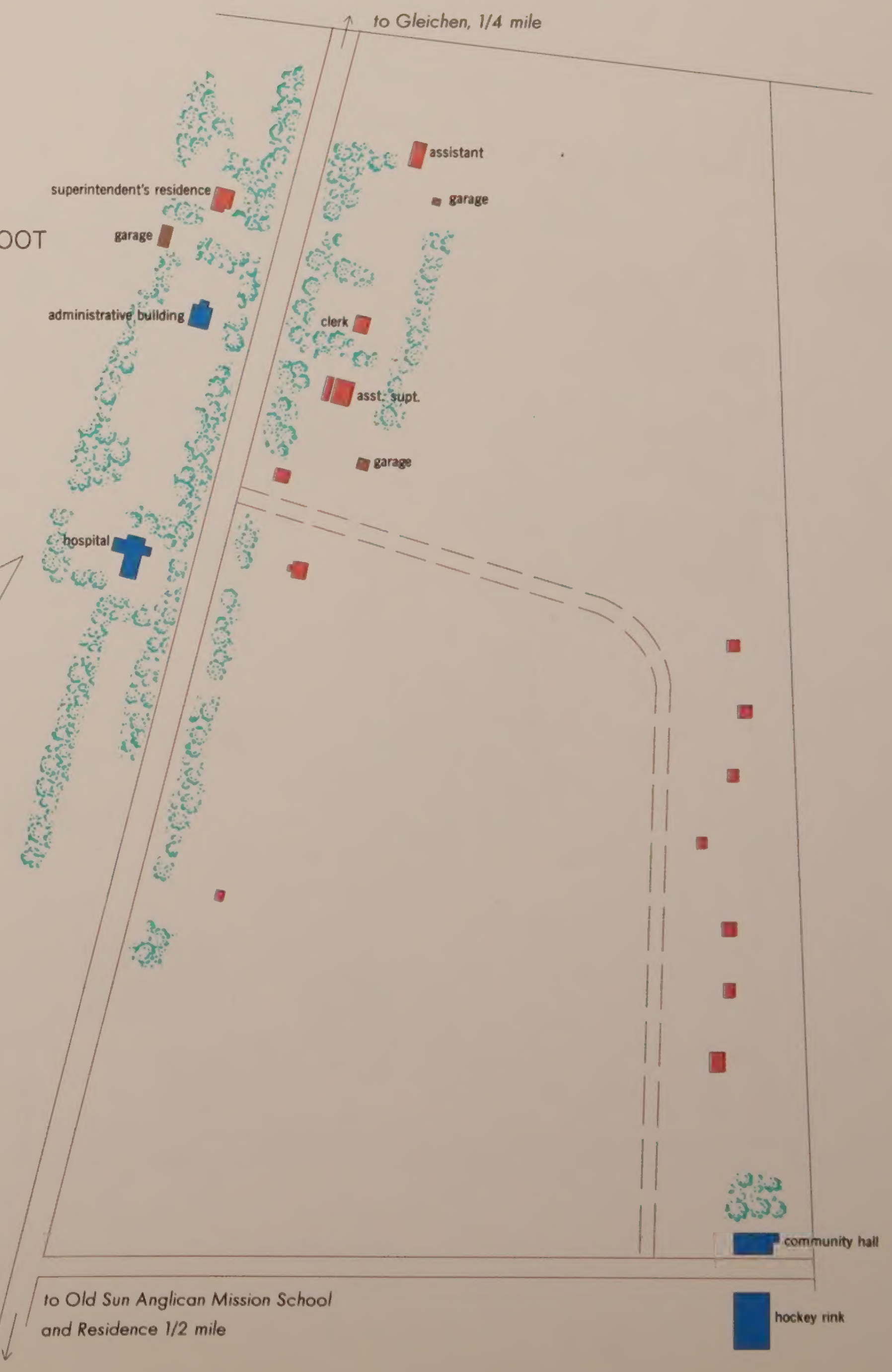
LAND USE, HOME QUARTER SECTION
(NE 1/4 - 6-20-21-4)


This area at larger scale
straw
hay
pig barn
granary
pig barn
pig yard
pig barn
root storage
duck barn
duck pen
idle land
chicken barn
chicken barn
shoe shop, bindery
stand-by generator
geese pens
duck pond
brooder house
kindergarten
carpenter shop
water tower
propane
smoke house
laundry
kitchen, dining-hall
fuel
teacherage
school
freezer
locker
blacksmith, welding
garage
water tank
cow barn
granaries
scale
feed bin
granary
irrigated pasture
corrals
straw
feedlot
cow pasture
cem.
vegetable garden
feed storage
Section road

NEW DALE HUTTERITE COLONY

0 200 400 Feet

Kikino
Gleichen
New Dale

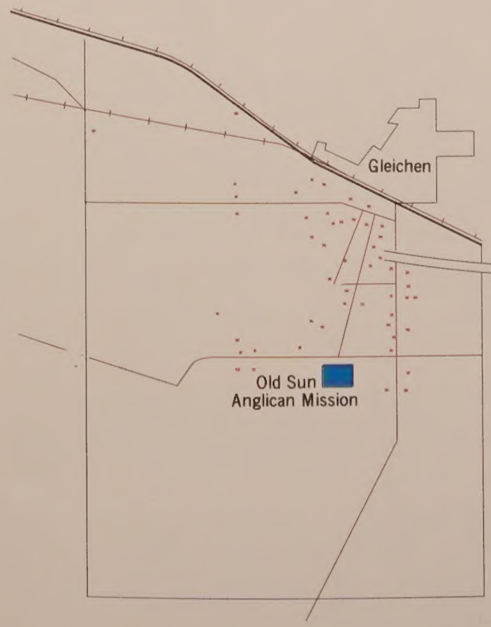

to Gleichen, 1/4 mile
assistant
superintendent's residence
garage
garage
administrative building
clerk
asst. supt.
garage
hospital
community hall
hockey rink
to Old Sun Anglican Mission School and Residence 1/2 mile
This area at larger scale

HEADQUARTERS OF BLACKFOOT INDIAN RESERVE

0 100 200 300 Feet

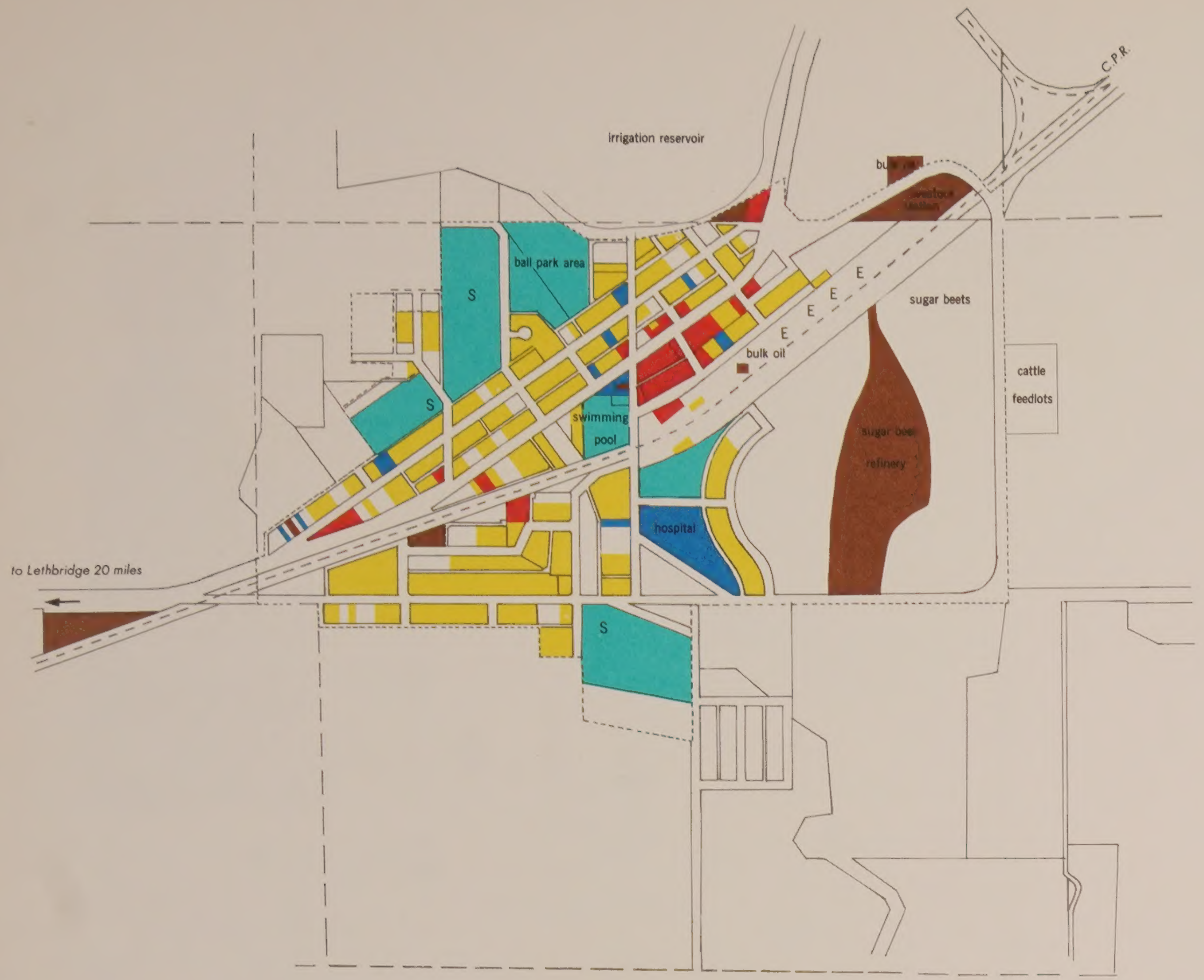
INDIAN DWELLING PATTERN IN GLEICHEN SECTOR

0 1 2 Miles


Gleichen
Old Sun
Anglican Mission

BLACKFOOT INDIAN RESERVATION

Principal settlement sectors on reservation are named

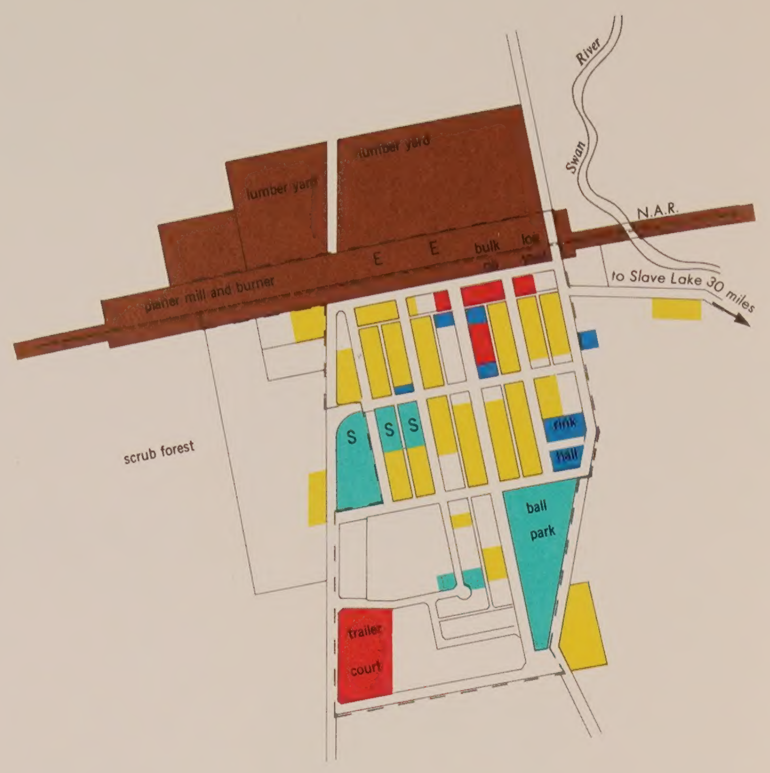

C.P.R.
irrigation reservoir
bulk oil
livestock station
ball park area
S
E
sugar beets
bulk oil
cattle feedlots
S
swimming pool
sugar beet refinery
hospital
to Lethbridge 20 miles
S

PICTURE BUTTE

Population 1,013

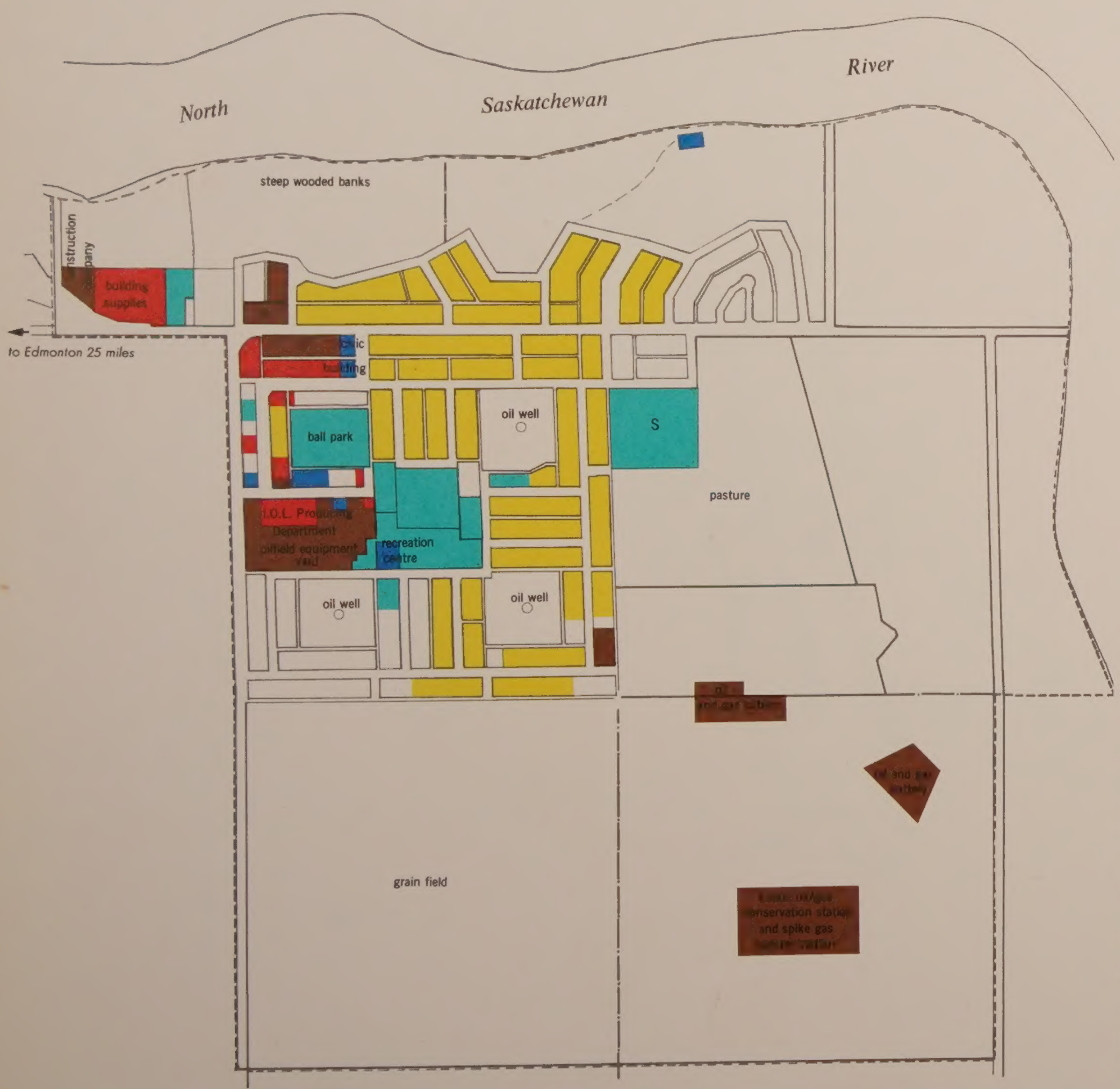
KINUSO

Population 376


River
Swan
lumber yard
lumber yard
N.A.R.
E
E
bulk
ice
planer mill and burner
to Slave Lake 30 miles
scrub forest
S
S
S
rink
hall
ball park
trailer court

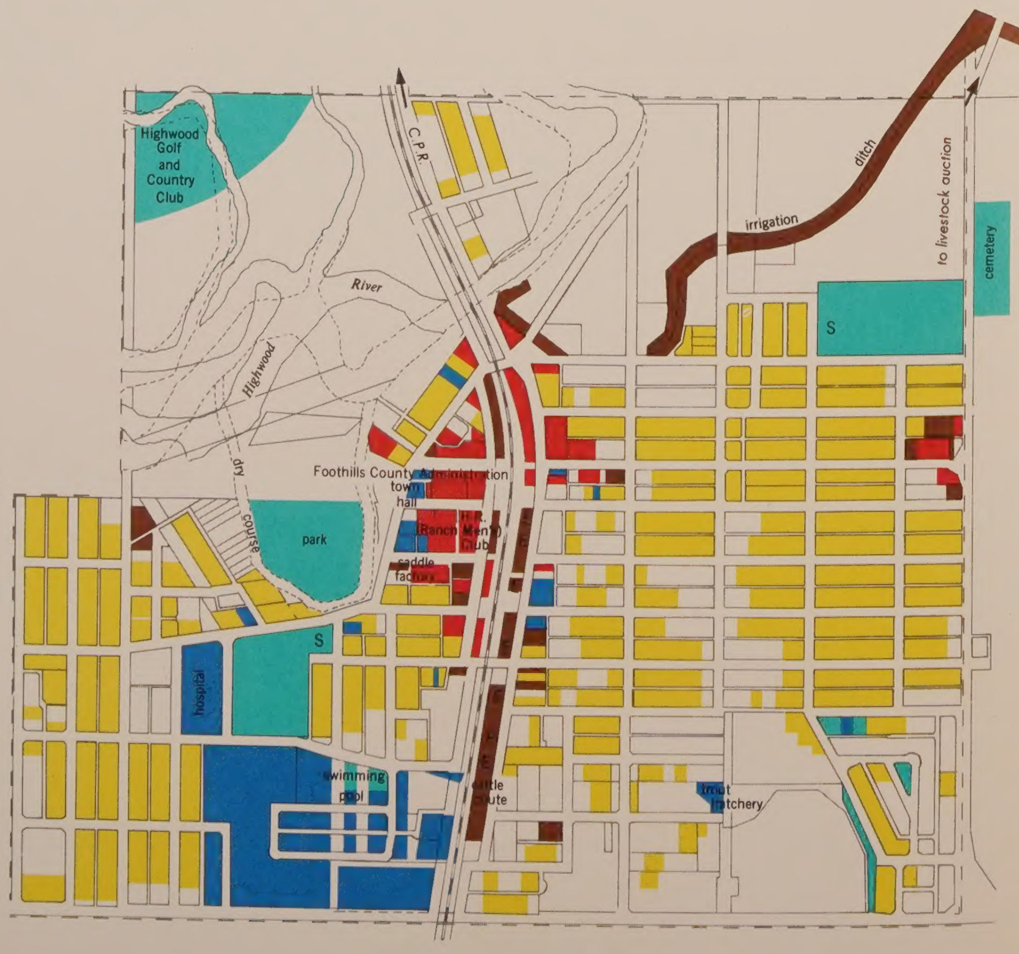
🟨 Residential
🟥 Commercial
🟫 Industrial
🟦 Public Service
🟩 Open Space
S School
E Grain Elevators
▲ Motels, hotels
● Accommodation in private homes
⊕ Oilfield supply and services

0 600 1,200 2,400 feet


North
Saskatchewan
River
steep wooded banks
construction company
building supplies
to Edmonton 25 miles
public building
ball park
oil well
S
pasture
I.D.L. Producing Department oilfield equipment yard
recreation centre
oil well
oil well
oil and gas battery
oil and gas battery
grain field
gas conservation station and spike gas battery station

DEVON

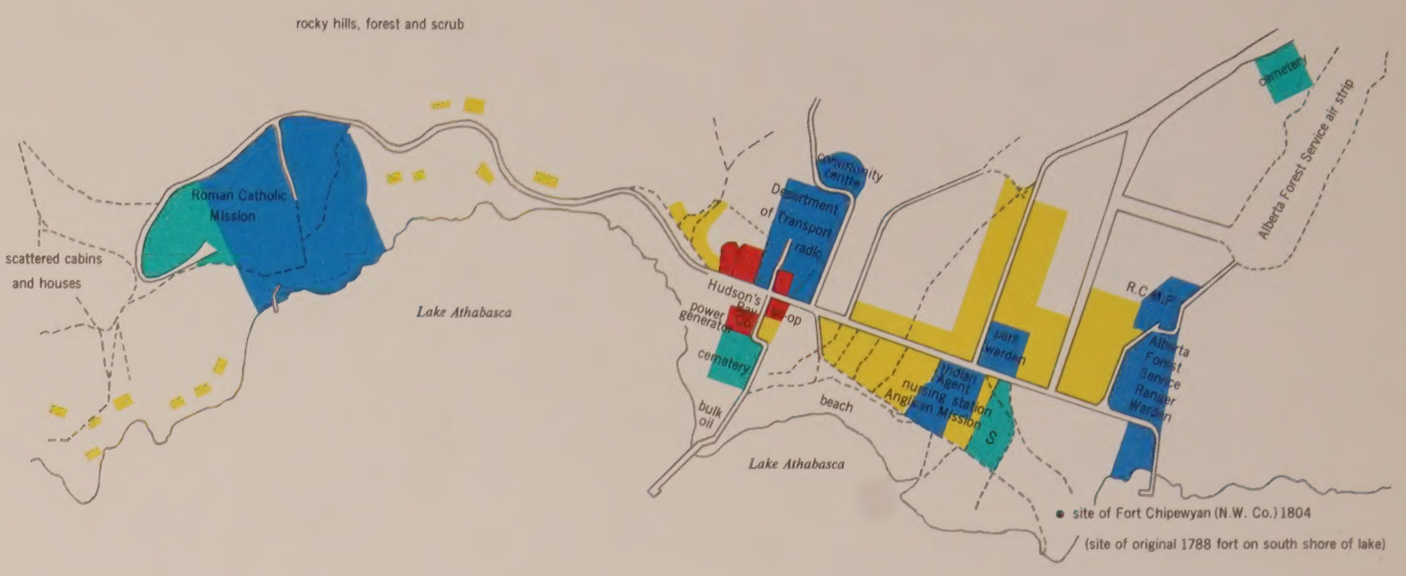
Population 1,283


Highwood Golf and Country Club
C.P.R.
irrigation
ditch
to livestock auction
cemetery
River
Highwood
S
dry course
Foothills County Administration
town hall
park
Ranch Men's Club
saddle factory
S
hospital
swimming pool
Elks Club
meat hatchery

HIGH RIVER

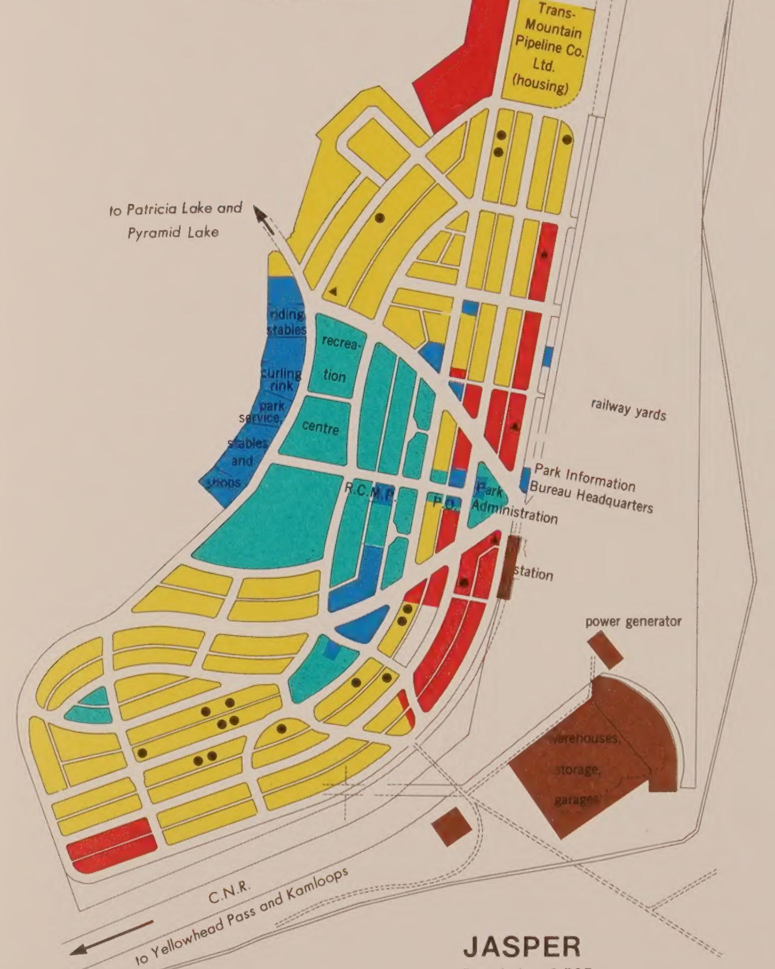
Population 2,239

Fort Chipewyan
Kinuso
Athabasca
Devon
Jasper
High River
Picture Butte
Foremost


rocky hills, forest and scrub
scattered cabins and houses
Roman Catholic Mission
Lake Athabasca
community centre
Department of Transport radio
Hudson's Bay Co.
power generator
co-op
cemetery
bulk oil
beach
Indian Agent
nursing station
Anglican Mission
S
park warden
R.C.M.P.
Alberta Forest Service Ranger Warden
cemetery
Alberta Forest Service air strip
Lake Athabasca
site of Fort Chipewyan (N.W. Co.) 1804
(site of original 1788 fort on south shore of lake)

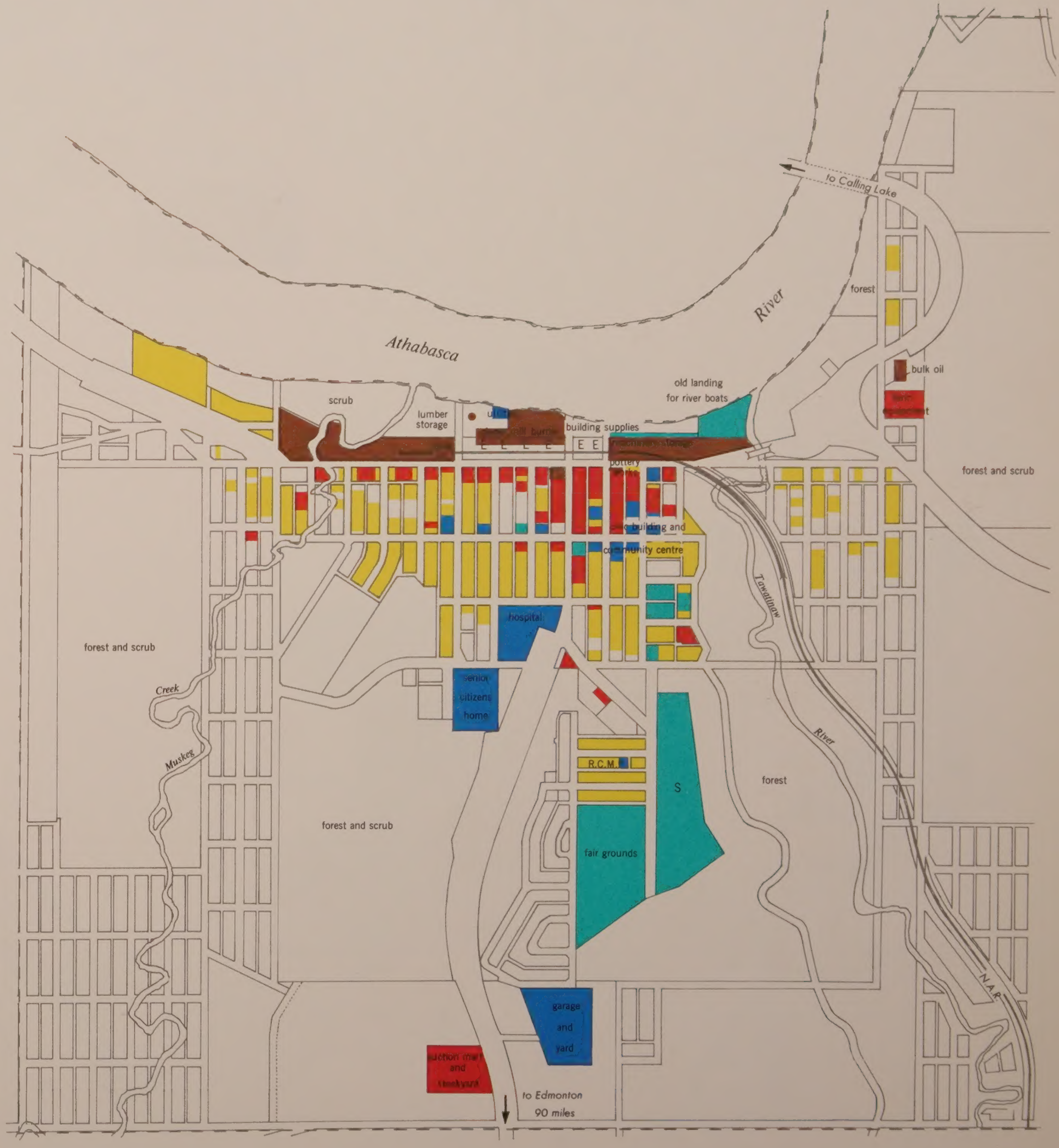
FORT CHIPEWYAN

Population 250


to Jasper Park Lodge, Maligne Lake Miette Hot Springs and Edmonton
Trans-Mountain Pipeline Co. Ltd. (housing)
to Patricia Lake and Pyramid Lake
riding stables
curling rink
park service
stables and shops
recreation
centre
R.C.M.P.
P.O.
Park Administration
Park Information Bureau Headquarters
railway yards
station
power generator
warehouses, storage, garages
C.N.R.
to Yellowhead Pass and Kamloops

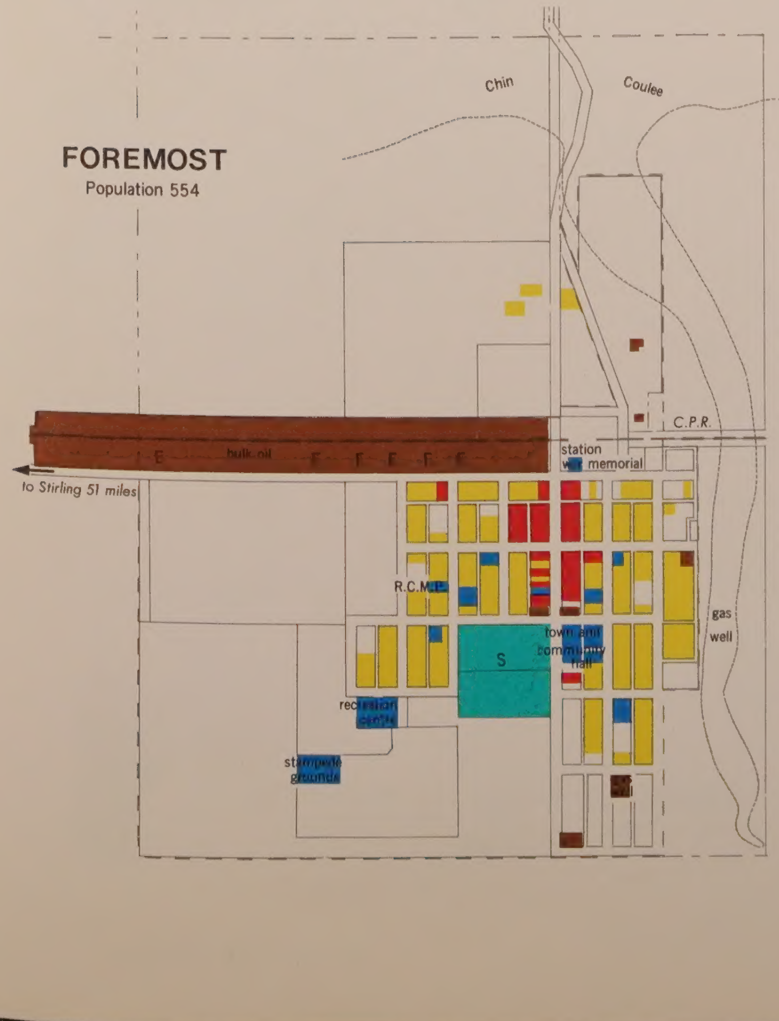
JASPER

Population 2,505


to Calling Lake
Athabasca
River
forest
bulk oil
old landing for river boats
scrub
lumber storage
building supplies
E E
pottery works
building and community centre
hospital
senior citizens home
Tawatinaw
River
forest and scrub
Creek
Muskeg
R.C.M.P.
S
fair grounds
forest
forest and scrub
forest and scrub
N.A.R.
garage and yard
auction mart and stockyard
to Edmonton 90 miles

ATHABASCA

Population 1,551

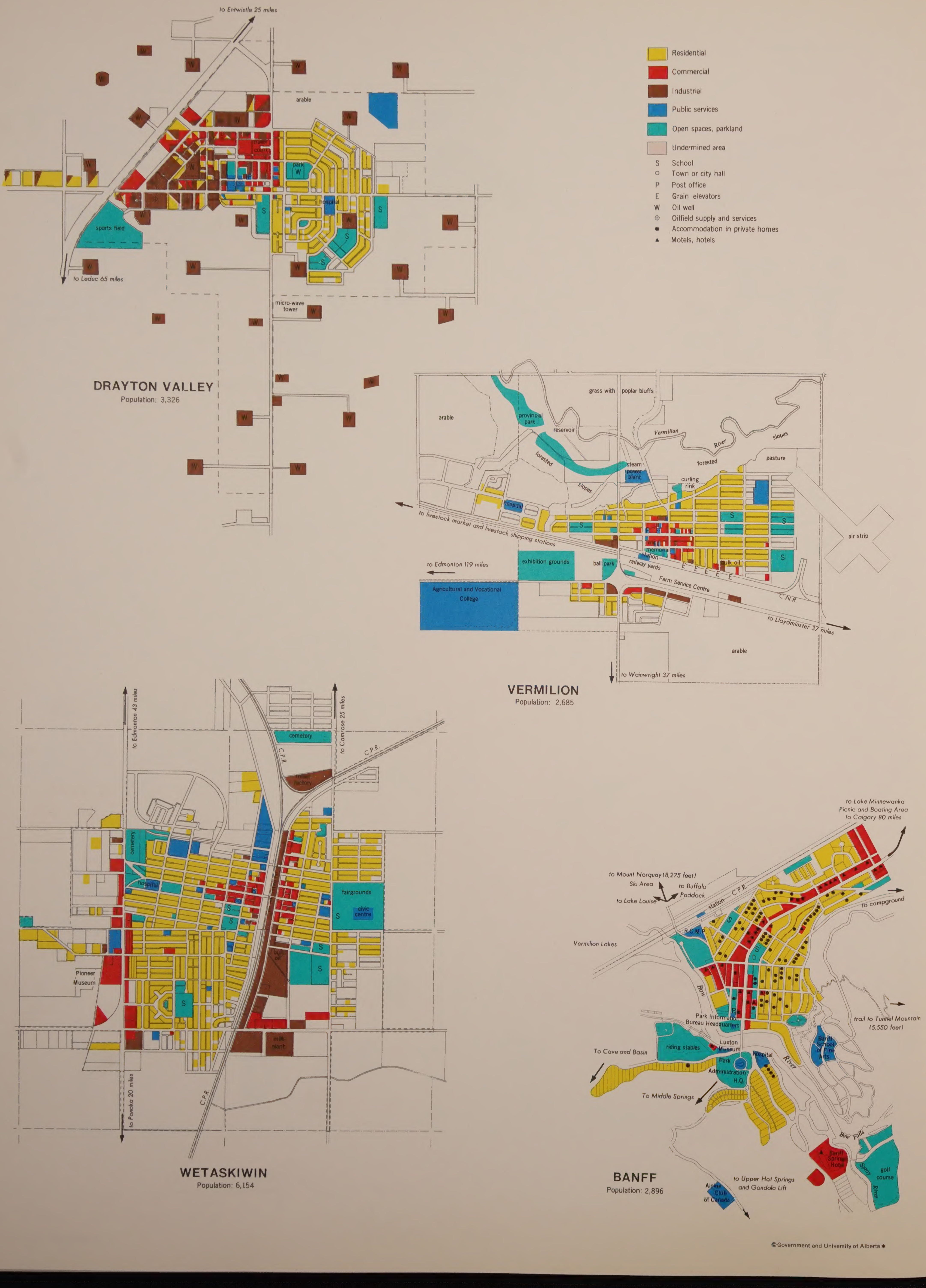


FOREMOST

Population 554

Chin
Coulee
C.P.R.
bulk oil
E E E E E E
station
war memorial
to Stirling 51 miles
R.C.M.P.
S
town and community hall
recreation centre
stampede grounds
gas well

🟨 Residential
🟥 Commercial
🟫 Industrial
🟦 Public services
🟩 Open spaces, parkland
⬜ Undermined area
S School
○ Town or city hall
P Post office
E Grain elevators
W Oil well
⊕ Oilfield supply and services
● Accommodation in private homes
▲ Motels, hotels

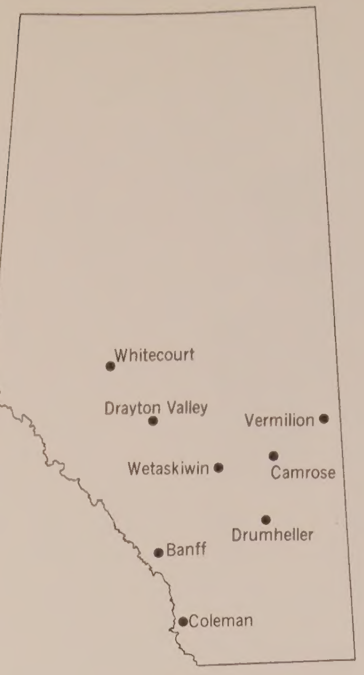

to Entwistle 25 miles
arable
park
hospital
sports field
to Leduc 65 miles
micro-wave tower
W
S
grass with poplar bluffs
arable
provincial park
reservoir
Vermilion River
slopes
forested
pasture
steam power plant
curling rink
hospital
to livestock market and livestock shipping stations
air strip
memorial station
railway yards
bulk oil
ball park
exhibition grounds
to Edmonton 119 miles
Agricultural and Vocational College
Farm Service Centre
C.N.R.
to Lloydminster 37 miles
to Wainwright 37 miles
to Edmonton 43 miles
to Camrose 25 miles
cemetery
C.P.R.
cheese factory
hospital
fairgrounds
civic centre
bulk oil
Pioneer Museum
milk plant
to Ponoka 20 miles
to Lake Minnewanka Picnic and Boating Area to Calgary 80 miles
to Mount Norquay (8,275 feet) Ski Area
to Buffalo Paddock
to Lake Louise
station
to campground
R.C.M.P.
Vermilion Lakes
Bow
Park Information Bureau Headquarters
trail to Tunnel Mountain (5,550 feet)
riding stables
Luxton Museum
Hospital
Banff School of Fine Arts
To Cave and Basin
Park Administration H.Q.
River
To Middle Springs
Bow Falls
Banff Springs Hotel
Spray River
golf course
to Upper Hot Springs and Gondola Lift
Alpine Club of Canada

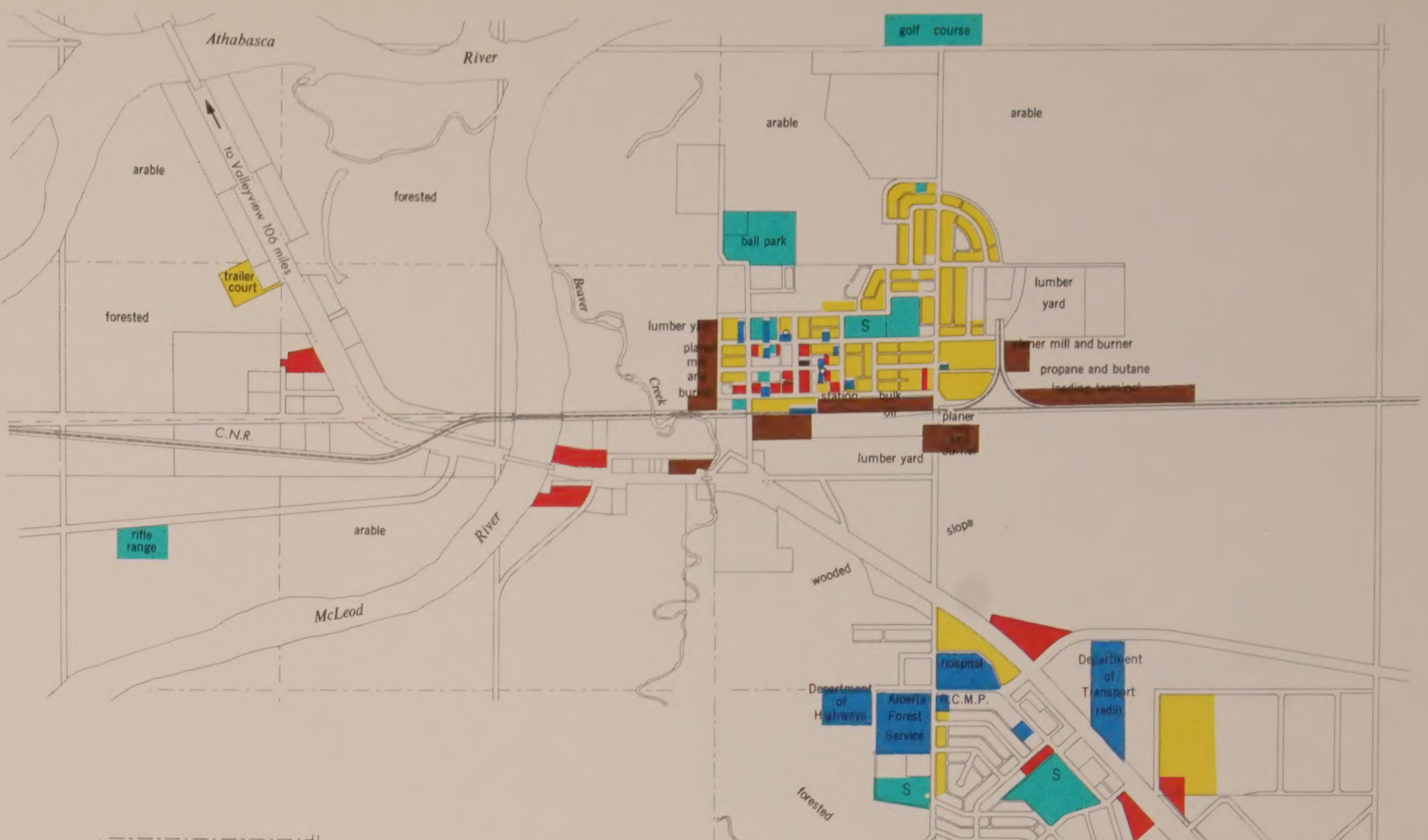
DRAYTON VALLEY
Population: 3,326

VERMILION
Population: 2,685

WETASKIWIN
Population: 6,154

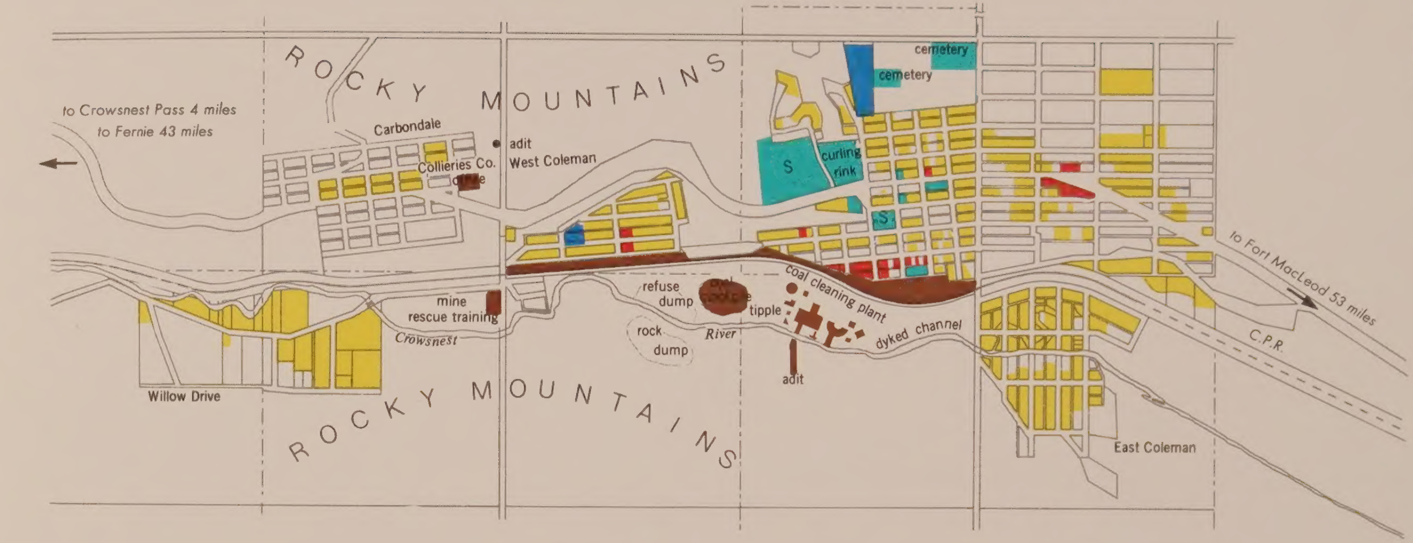
BANFF
Population: 2,896


Whitecourt
Drayton Valley
Vermilion
Wetaskiwin
Camrose
Drumheller
Banff
Coleman


Athabasca
River
golf course
arable
forested
to Valleyview 106 miles
trailer court
ball park
lumber yard
planer mill and burner
propane and butane loading terminal
Beaver
Creek
C.N.R.
station
planer
lumber yard
rifle range
McLeod
River
wooded
slope
hospital
Department of Highways
Alberta Forest Service
R.C.M.P.
Department of Transport radio
S
forested
Centennial
Park
cemetery
to Edmonton 110 miles

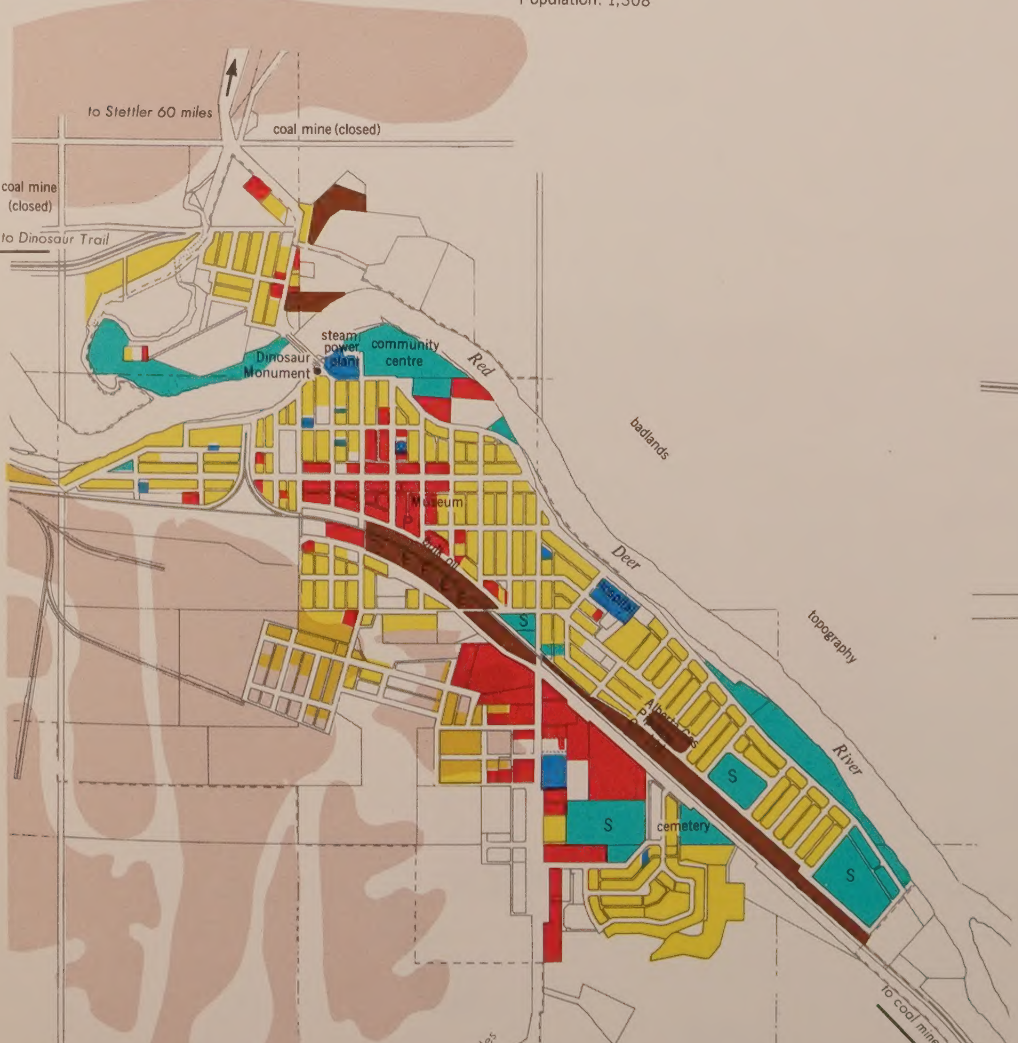
WHITECOURT

Population: 2,480


ROCKY MOUNTAINS
to Crowsnest Pass 4 miles
to Fernie 43 miles
Carbondale
adit
Collieries Co.
West Coleman
cemetery
S
curling rink
to Fort MacLeod 53 miles
refuse dump
coke ovens
coal cleaning plant
tipple
mine rescue training
Crowsnest
River
rock dump
dyked channel
adit
C.P.R.
Willow Drive
East Coleman
ROCKY MOUNTAINS

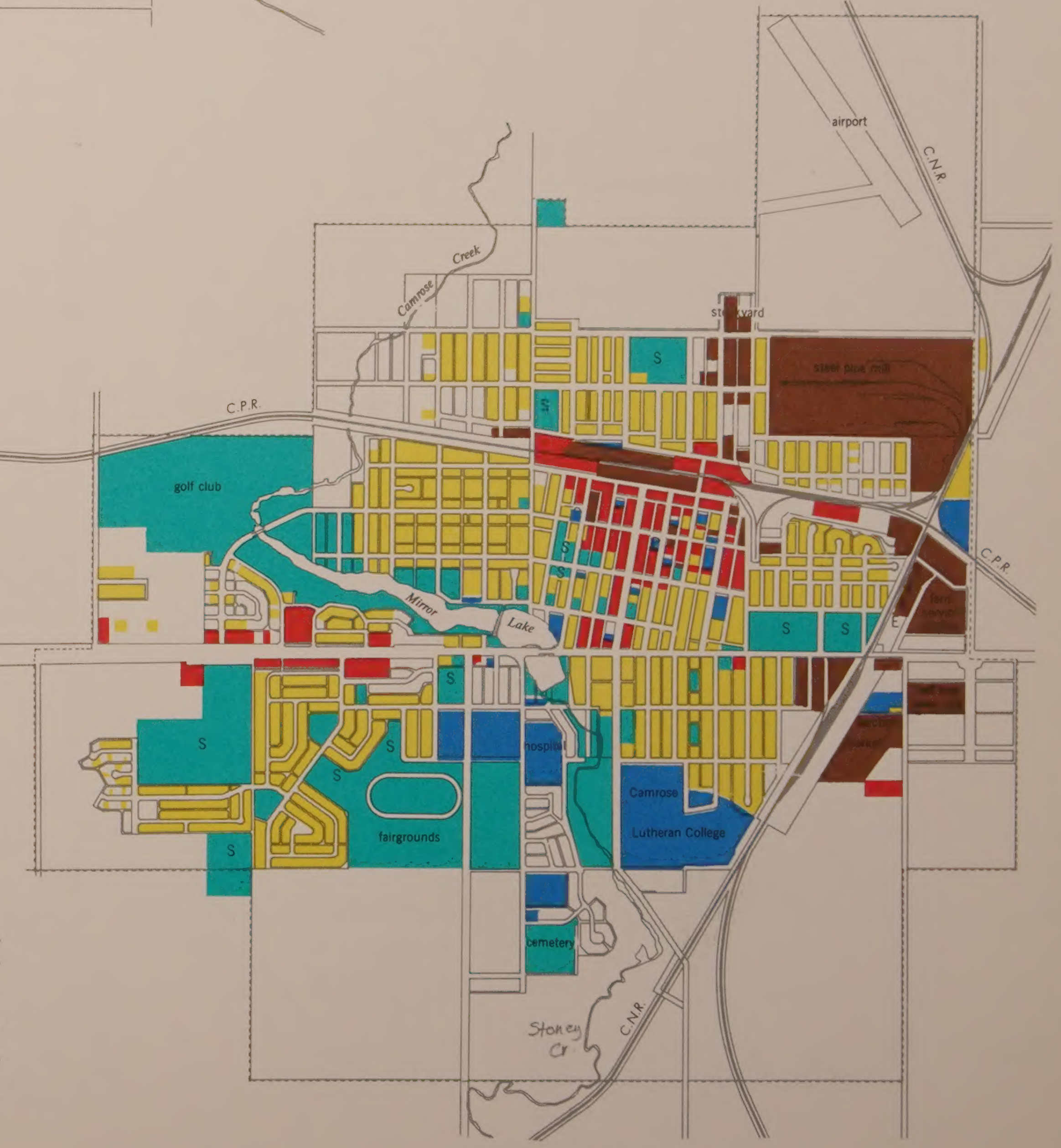
COLEMAN

Population: 1,308


to Stettler 60 miles
coal mine (closed)
coal mine (closed)
to Dinosaur Trail
steam power plant
community centre
Dinosaur Monument
Red
badlands
Museum
Deer
S
topography
River
cemetery
to coal mines
to Calgary 86 miles

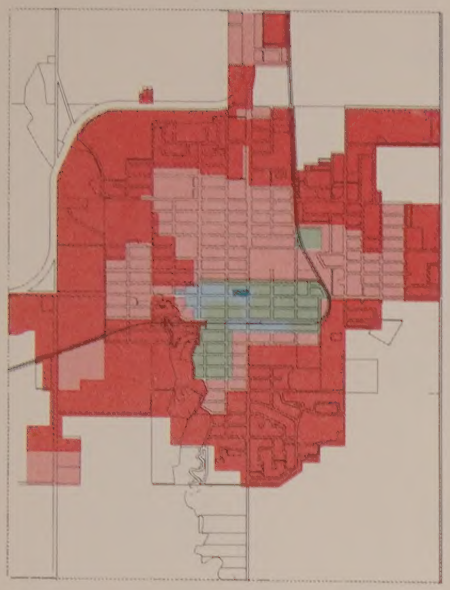
DRUMHELLER

Population: 4,698


airport
C.N.R.
Camrose Creek
stockyard
C.P.R.
golf club
S
Mirror
Lake
C.P.R.
hospital
fairgrounds
Camrose Lutheran College
cemetery
Stoney Cr
C.N.R.

CAMROSE

Population ~~8,477~~ 10,000

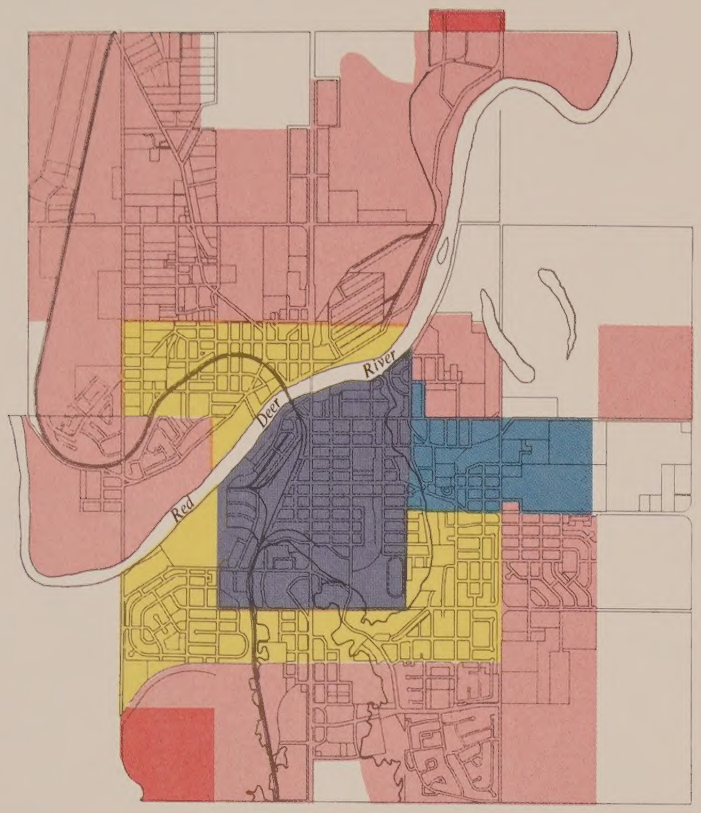


GRANDE PRAIRIE

Population: 11,605

RED DEER

Population: 26,730


Red
Deer
River

🟪 up to 1901

🟦 1901 - 1916

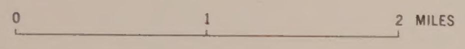
🟦 1916 - 1920

🟩 1920 - 1935

🟨 1935 - 1948

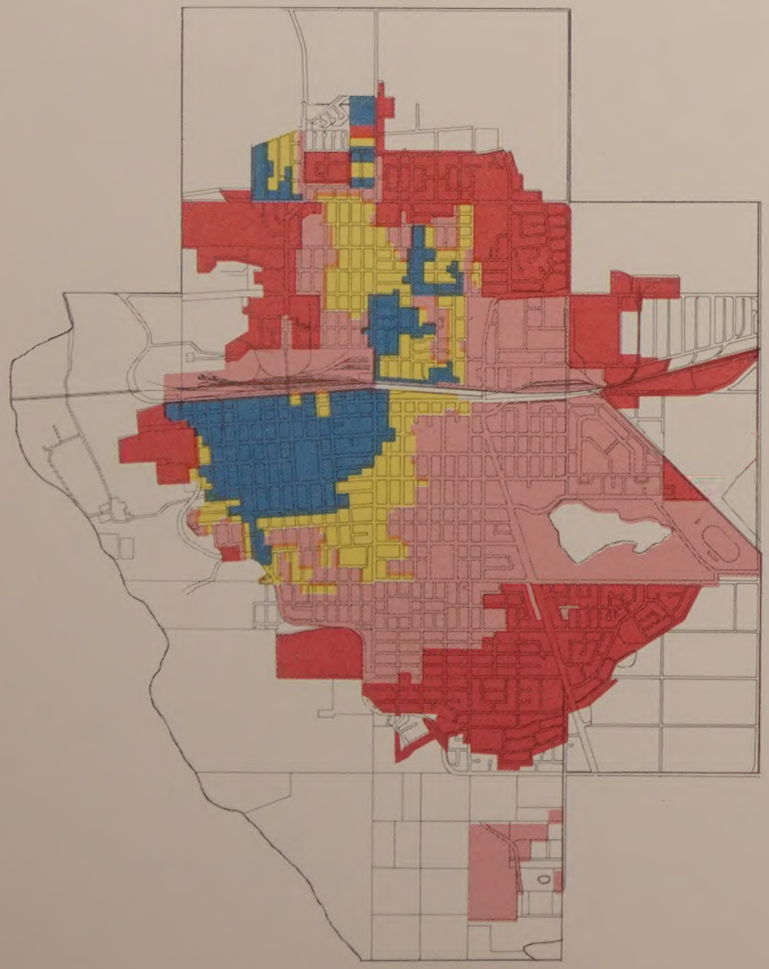
🟥 1948 - 1959

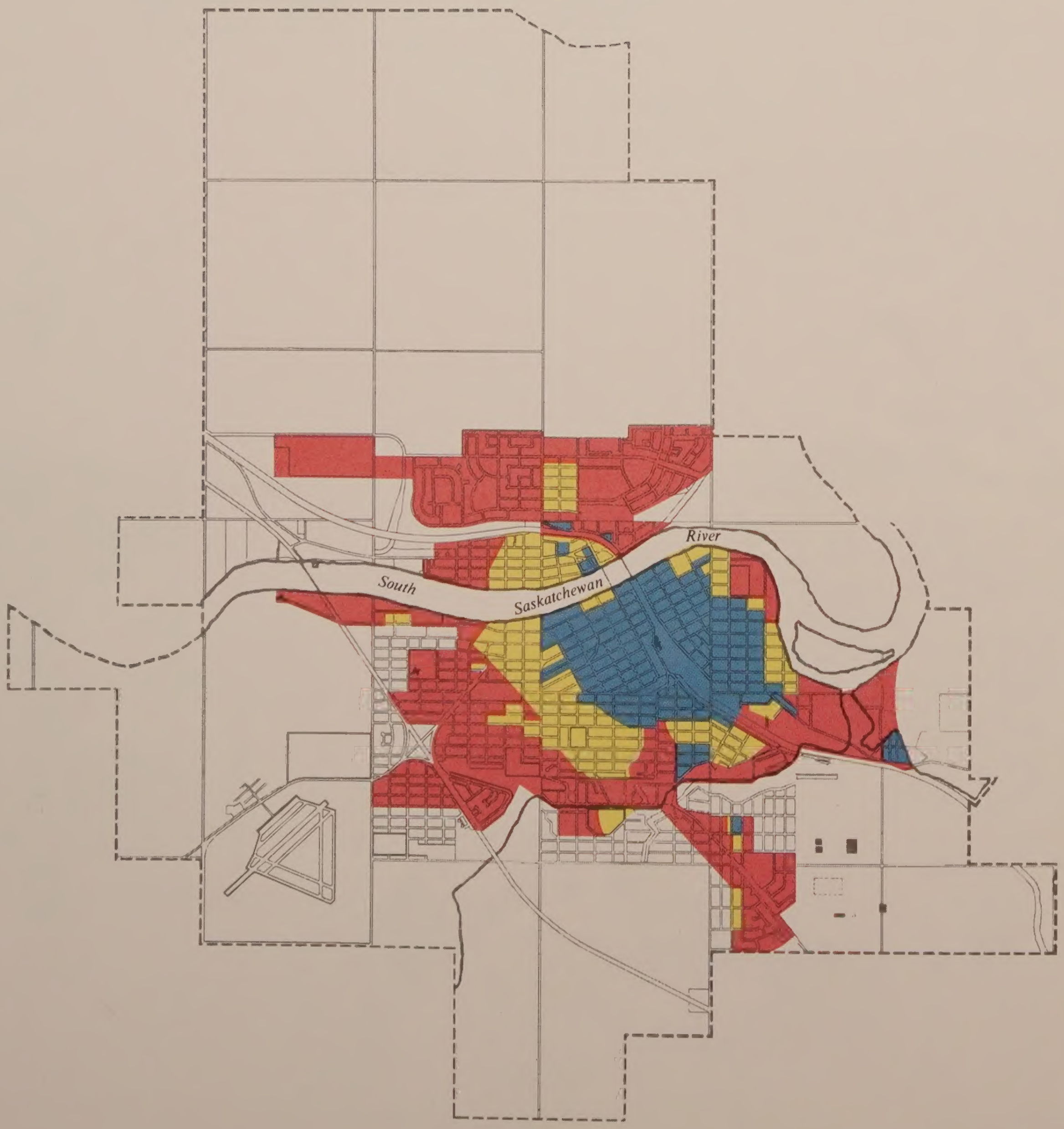
🟥 1959 - 1967



LETHBRIDGE

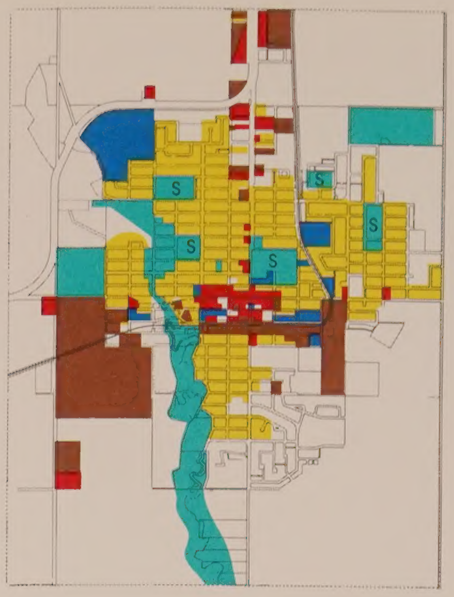
Population: 37,760




South
Saskatchewan
River

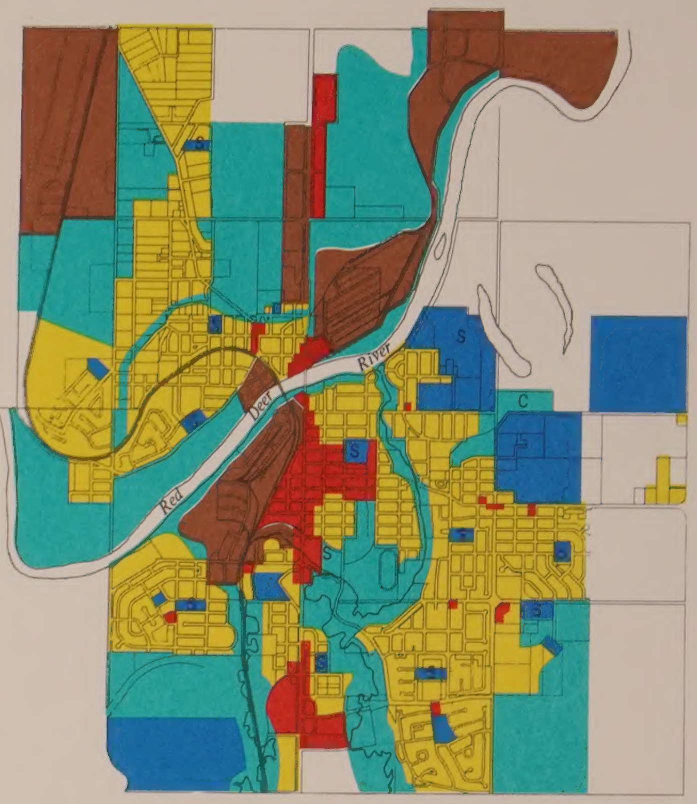
MEDICINE HAT

Population: 25,574



GRANDE PRAIRIE

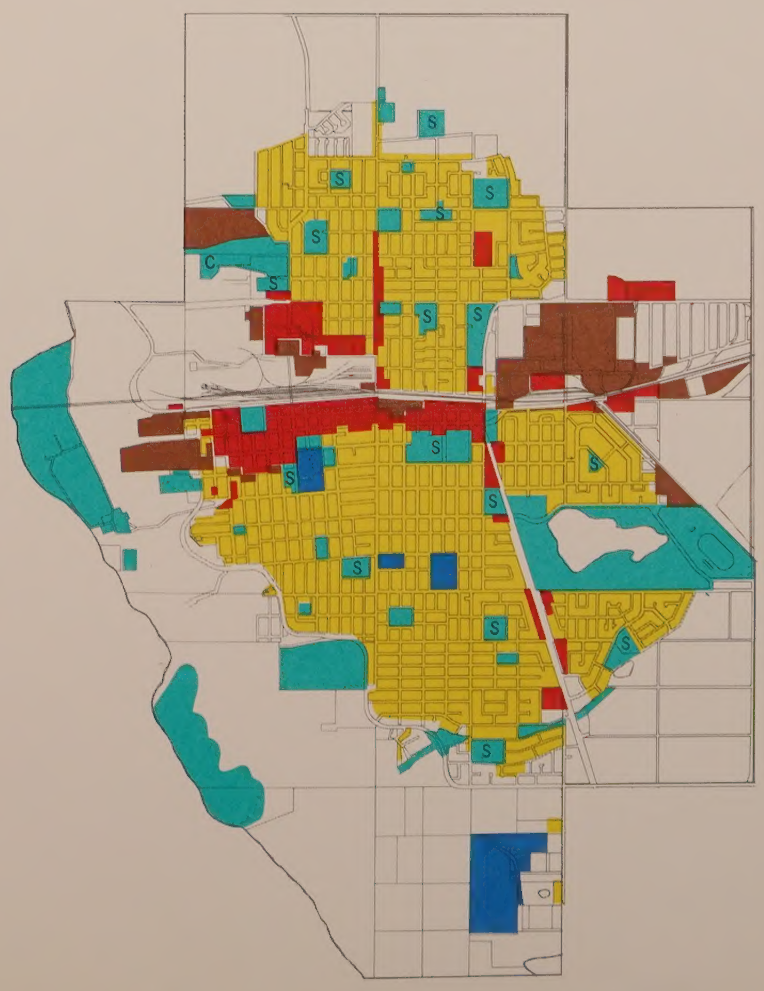
RED DEER

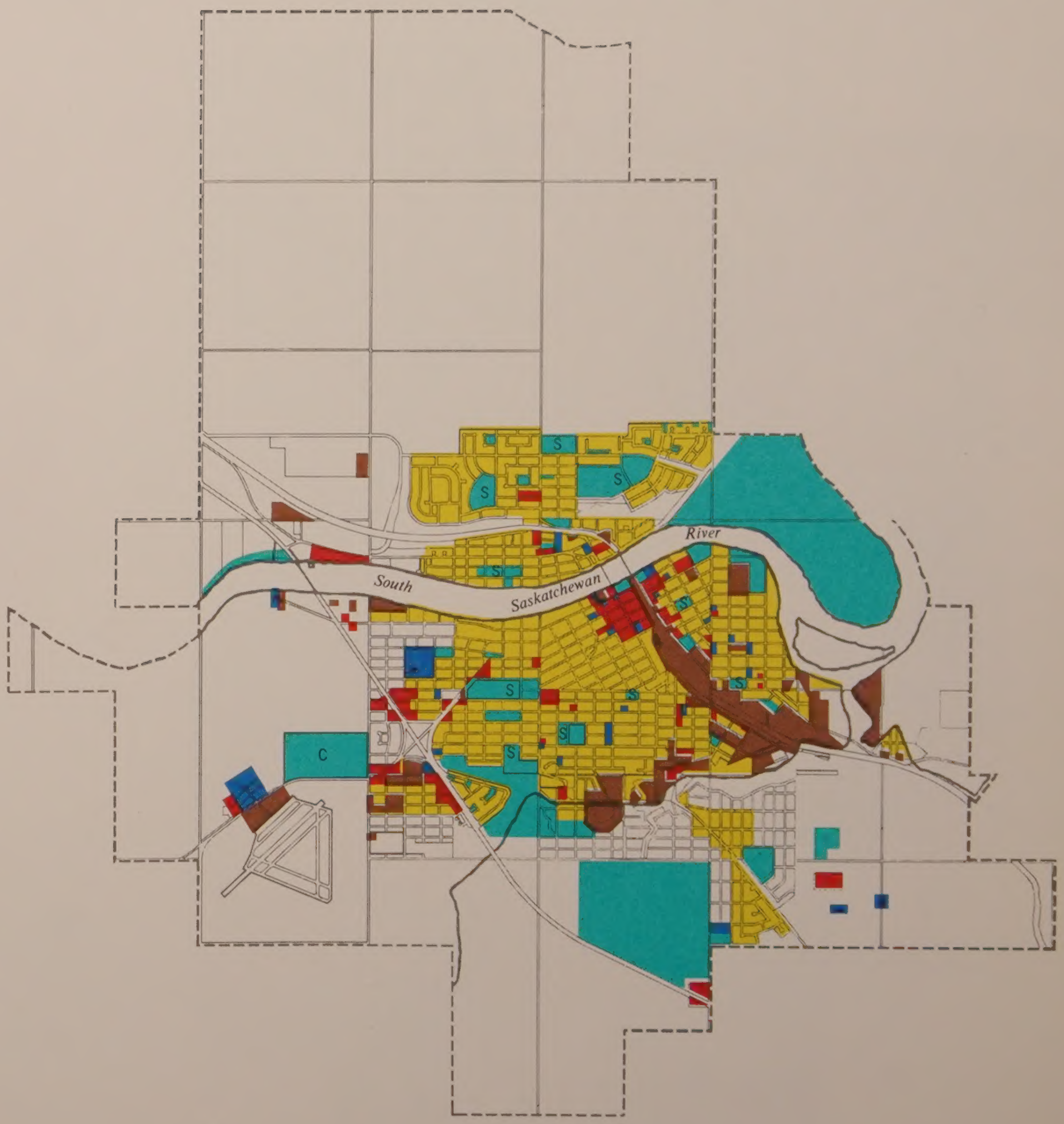

Red Deer River
S
S
C
S
S

- 🟨 Residential
- 🟥 Commercial
- 🟦 Public Services
- 🟫 Industrial
- ▨ Parkland
- S School
- C Cemetery

0 1 2 MILES

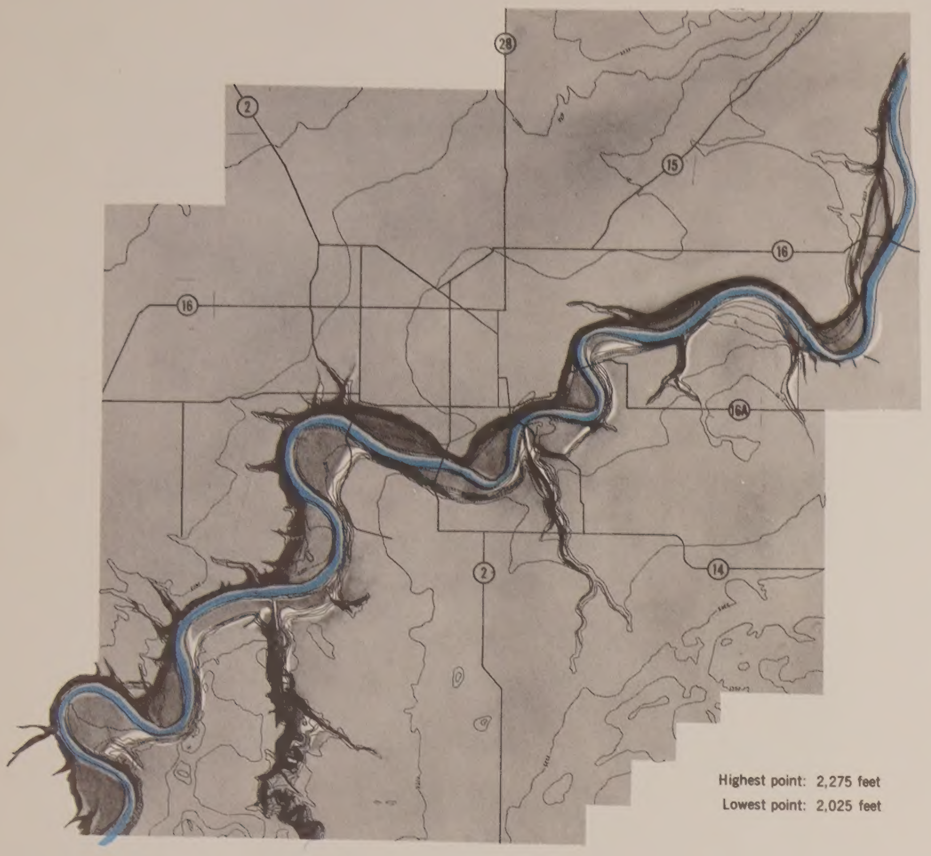
LETHBRIDGE

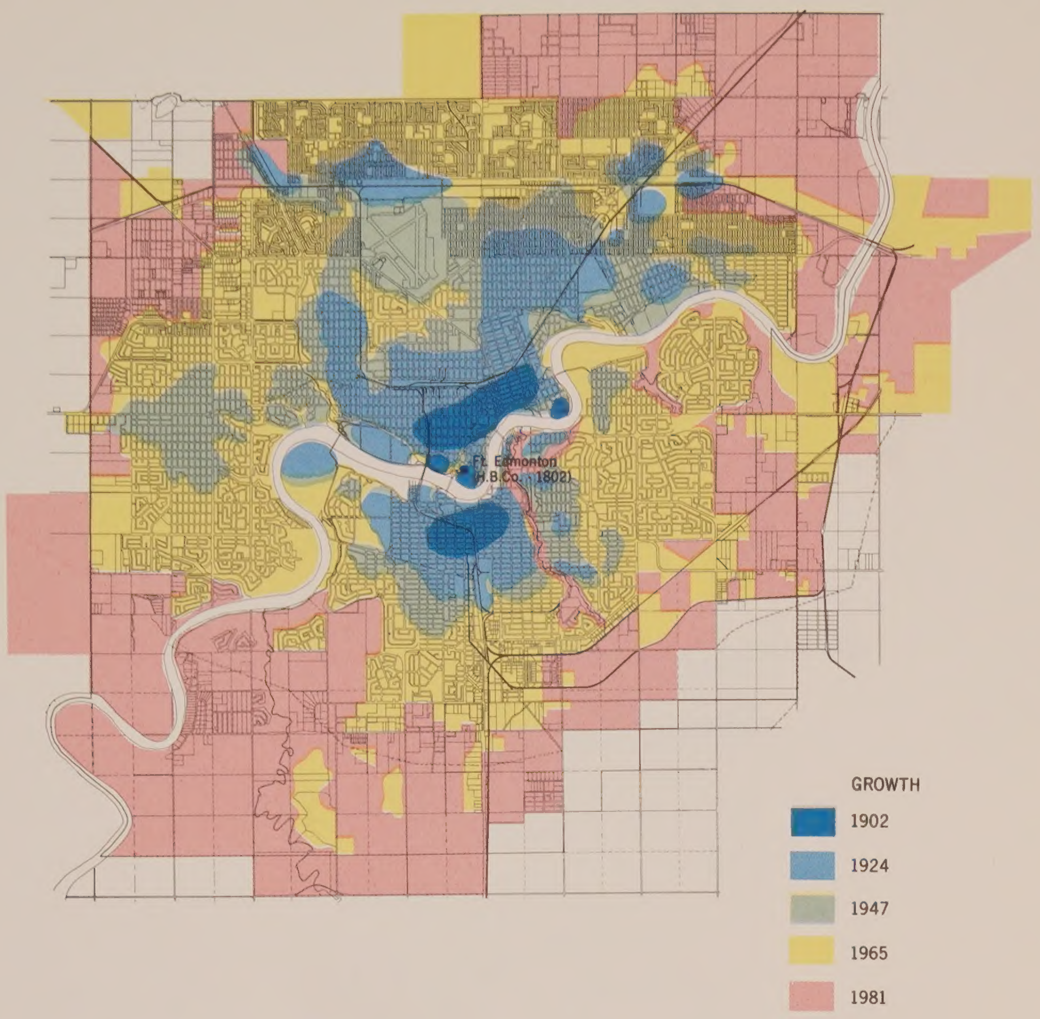

S
S
S
C
S
S
S
S
S
S
S
S


South Saskatchewan River
S
S
S
S
S
C

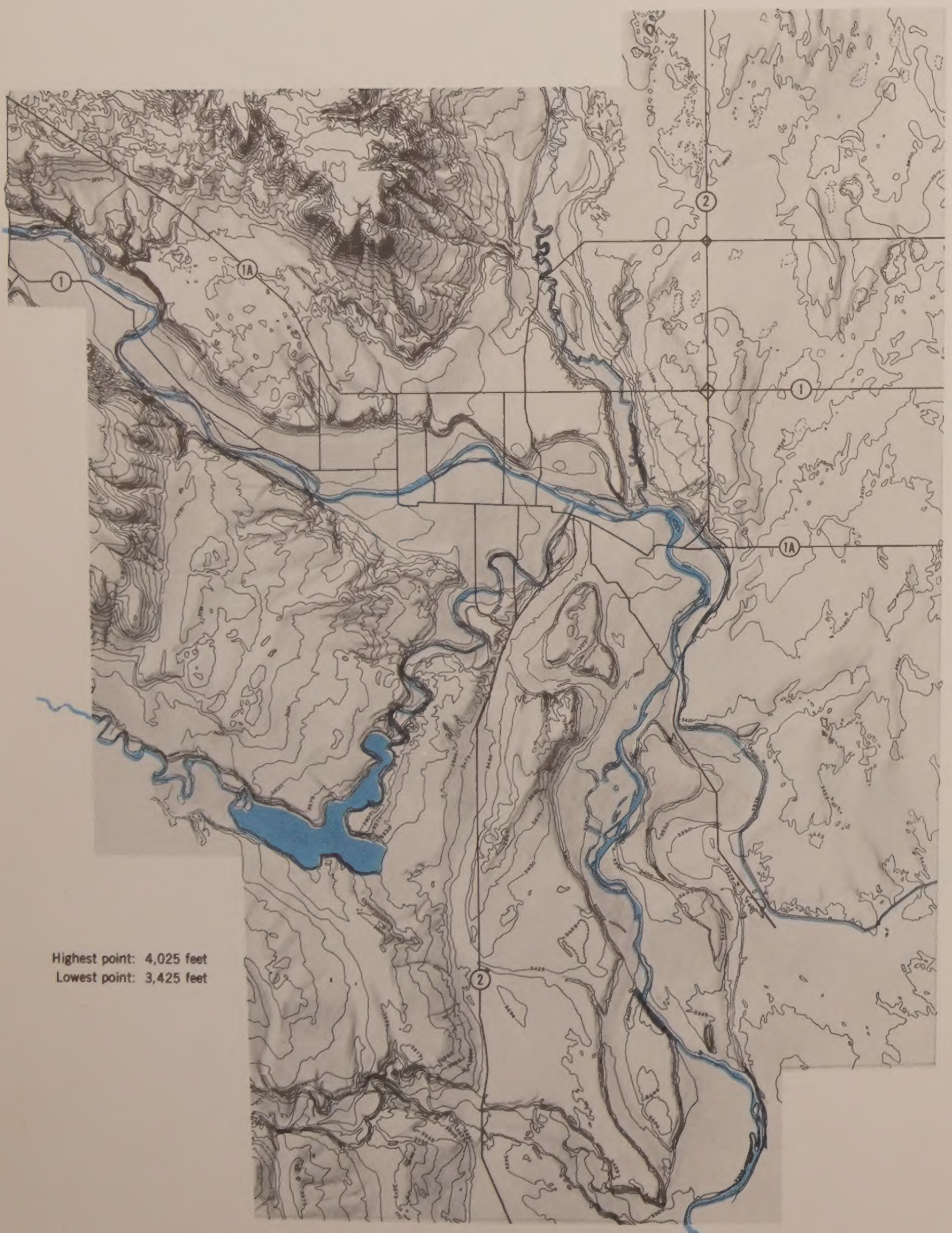
MEDICINE HAT

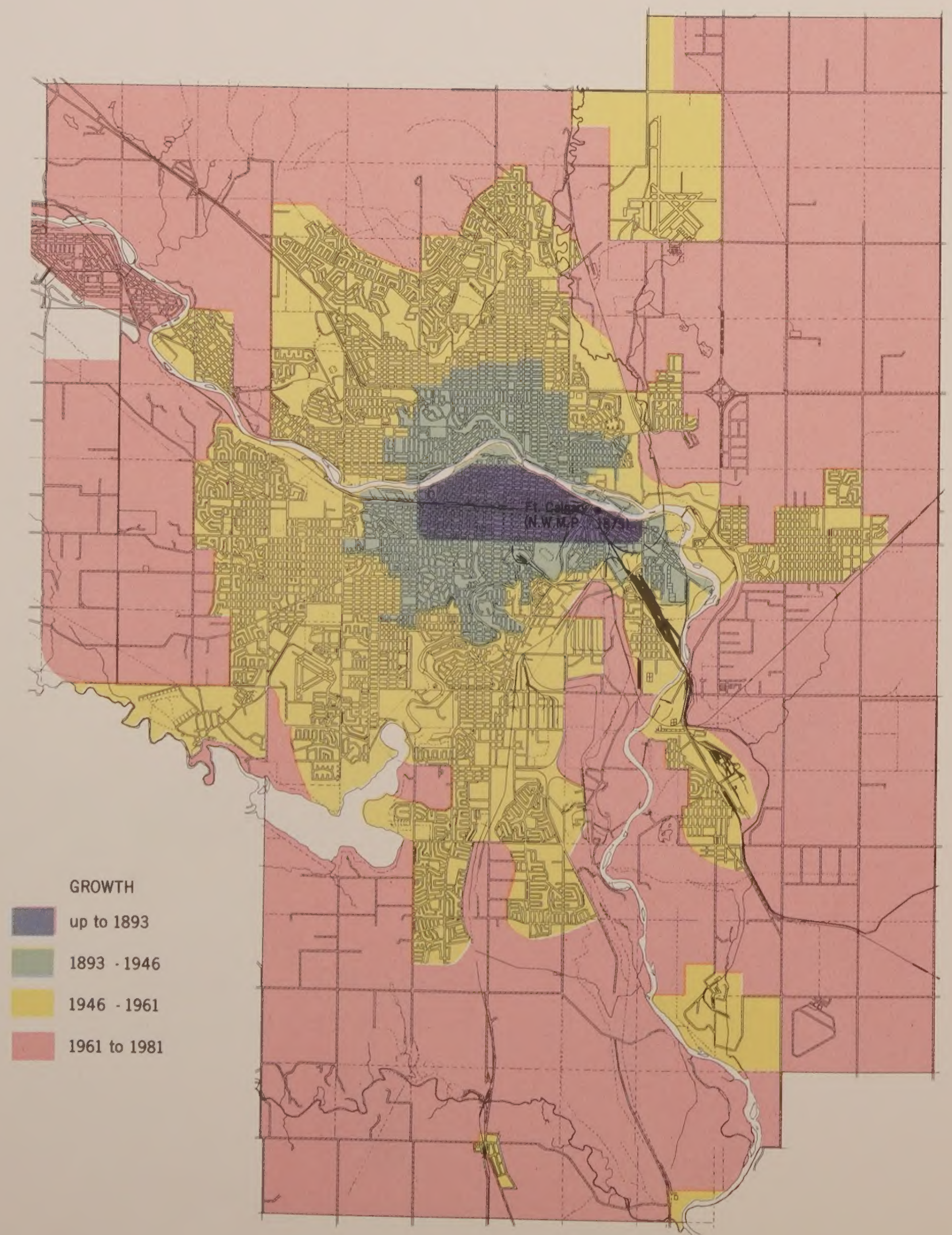
EDMONTON


28
2
15
16
16
16A
2
14
Highest point: 2,275 feet
Lowest point: 2,025 feet

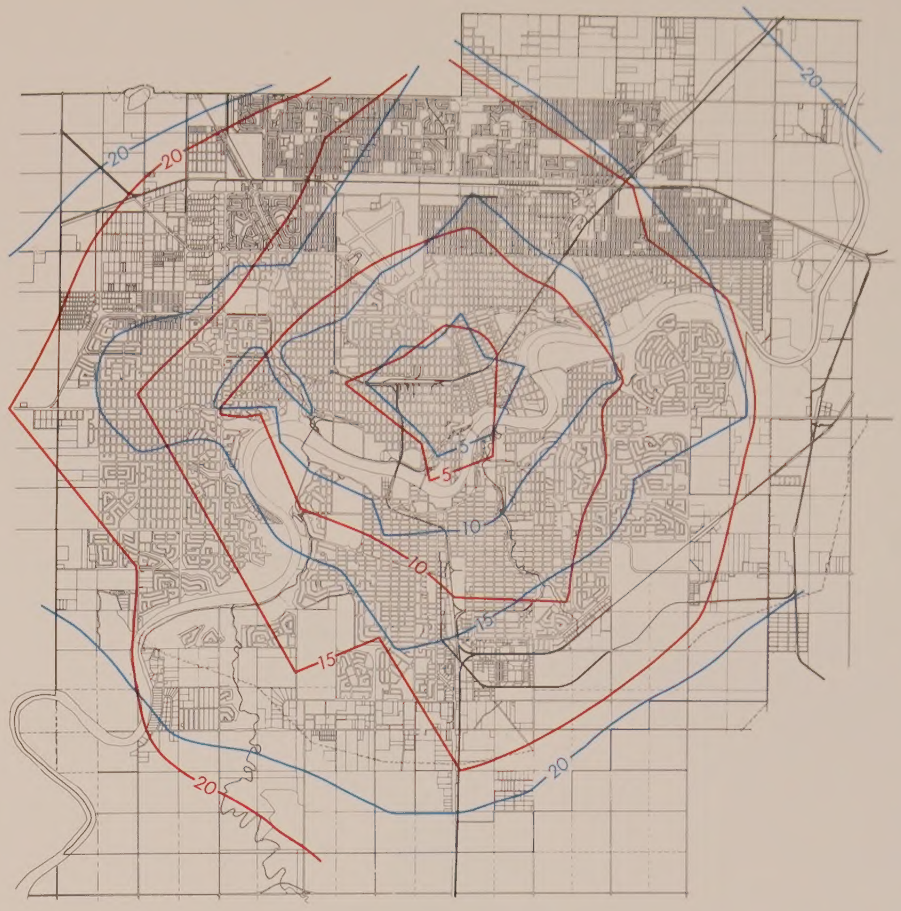

Ft. Edmonton
(H.B.Co. - 1802)
GROWTH
1902
1924
1947
1965
1981

CALGARY

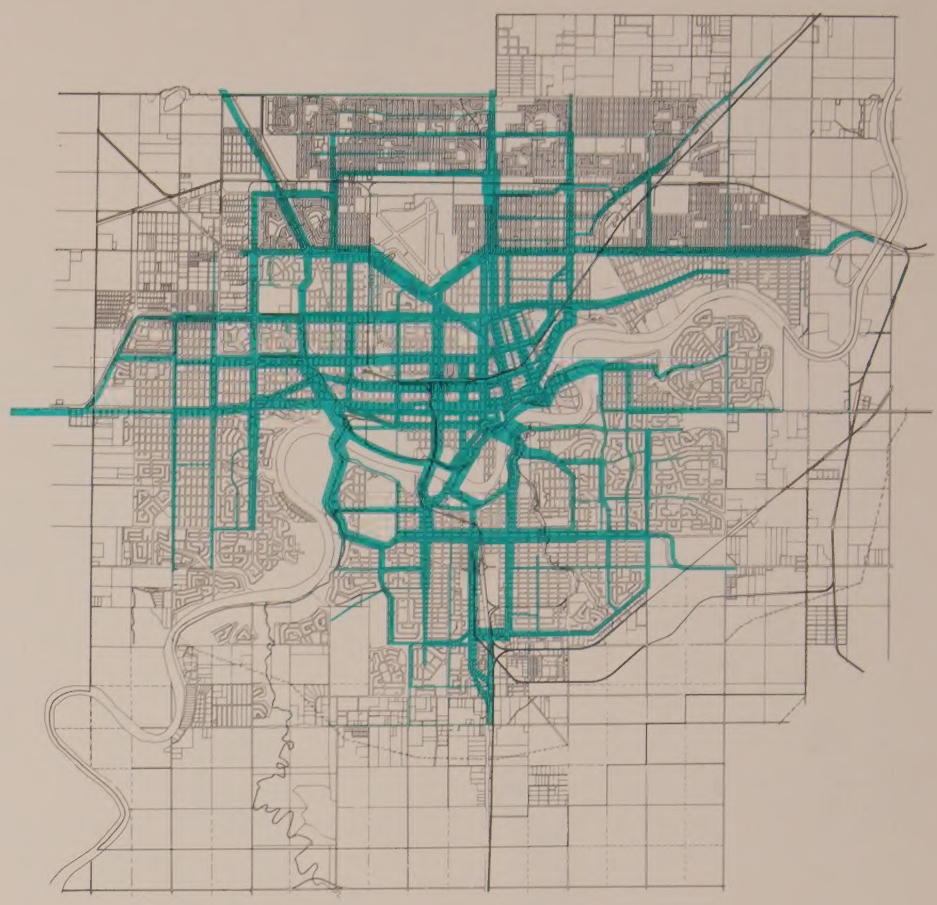

2
1
1A
1
1A
2
Highest point: 4,025 feet
Lowest point: 3,425 feet


Ft. Calgary
(N.W.M.P. - 1875)
GROWTH
up to 1893
1893 - 1946
1946 - 1961
1961 to 1981

EDMONTON

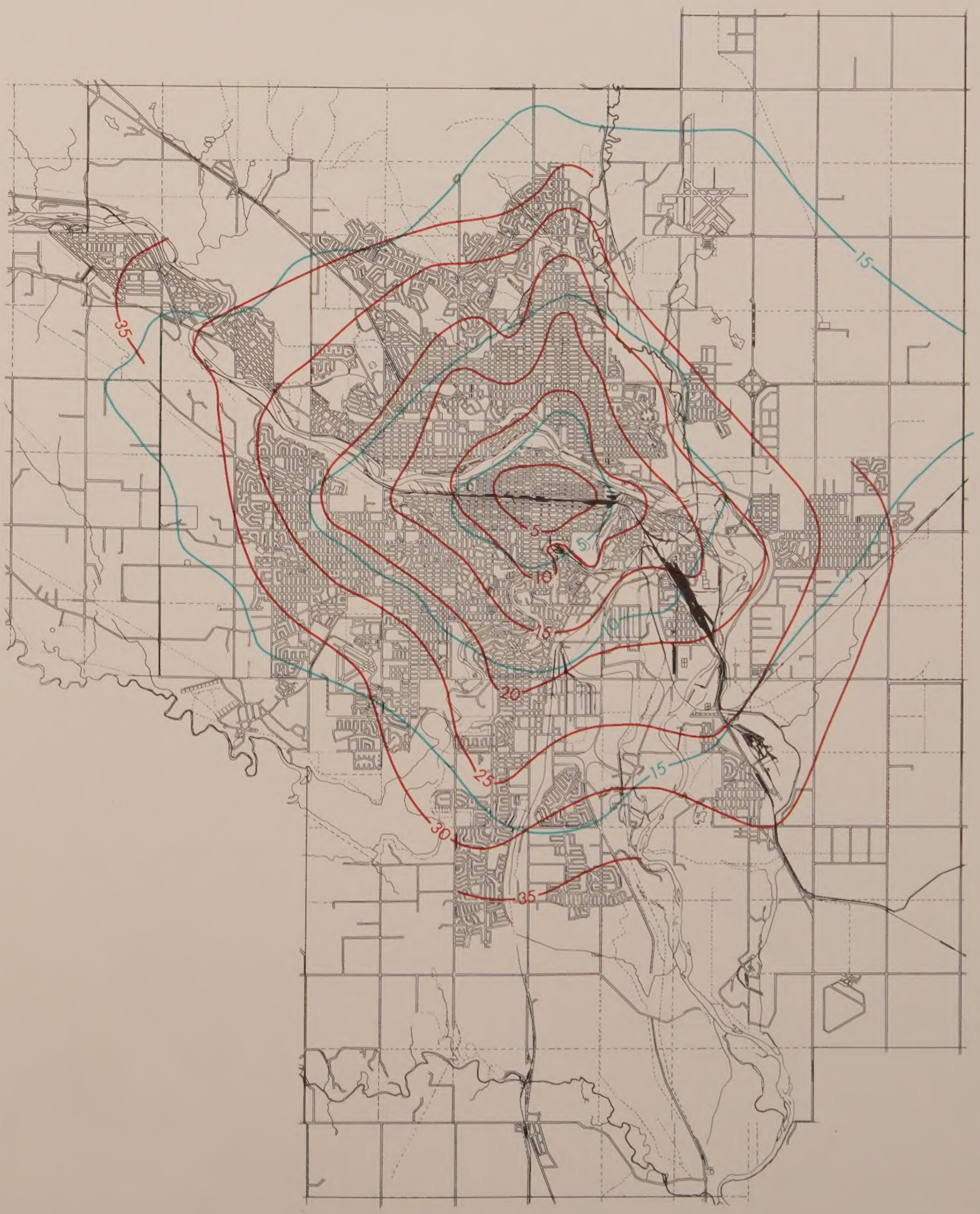

20
20
20
15
15
10
10
5
5
20
20

TRAVEL TIME
(in minutes)
5 Inbound (7:00-8:30 A.M.)
5 Outbound (4:30-5:30 P.M.)

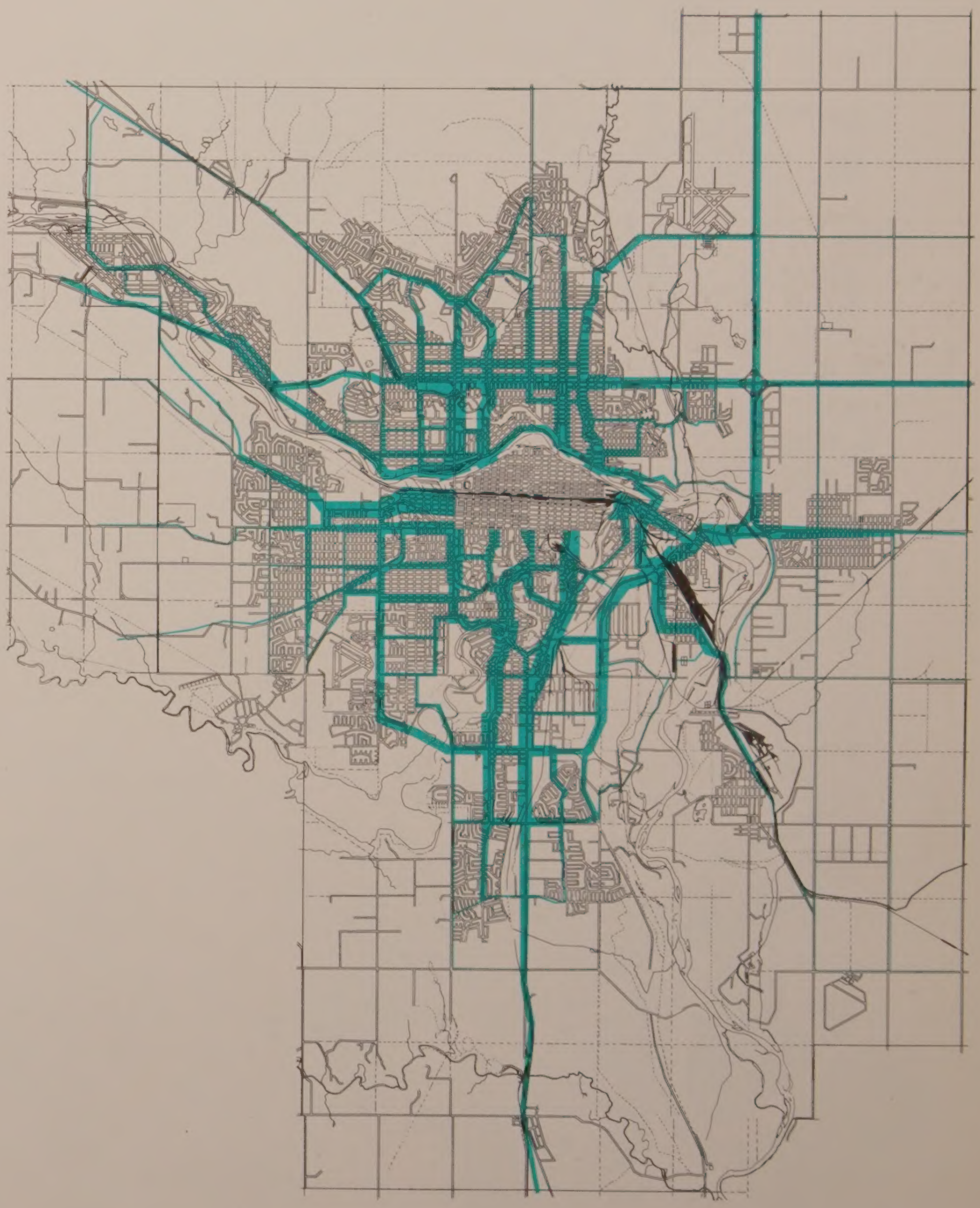


AVERAGE DAILY TRAFFIC
(number of cars)
40,000
30,000
20,000
10,000
5,000

CALGARY


15
35
5
5
10
15
15
20
25
30
35

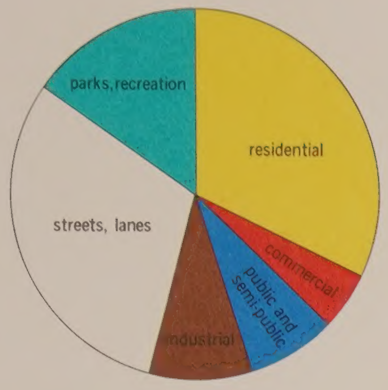
TRAVEL TIME
(in minutes)
5 Public vehicles
5 Private vehicles

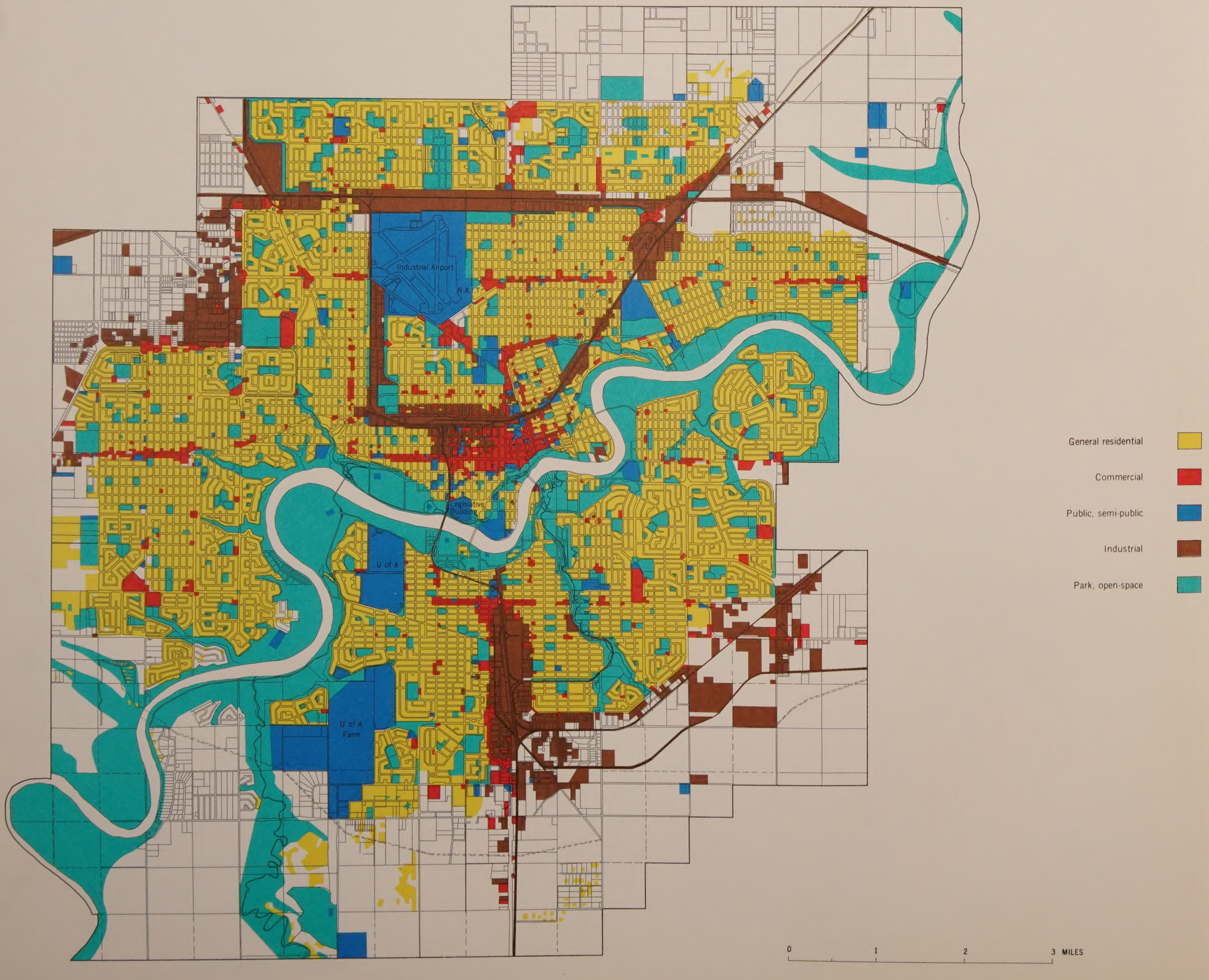


AVERAGE DAILY TRAFFIC
(number of cars)
40,000
30,000
20,000
10,000
5,000

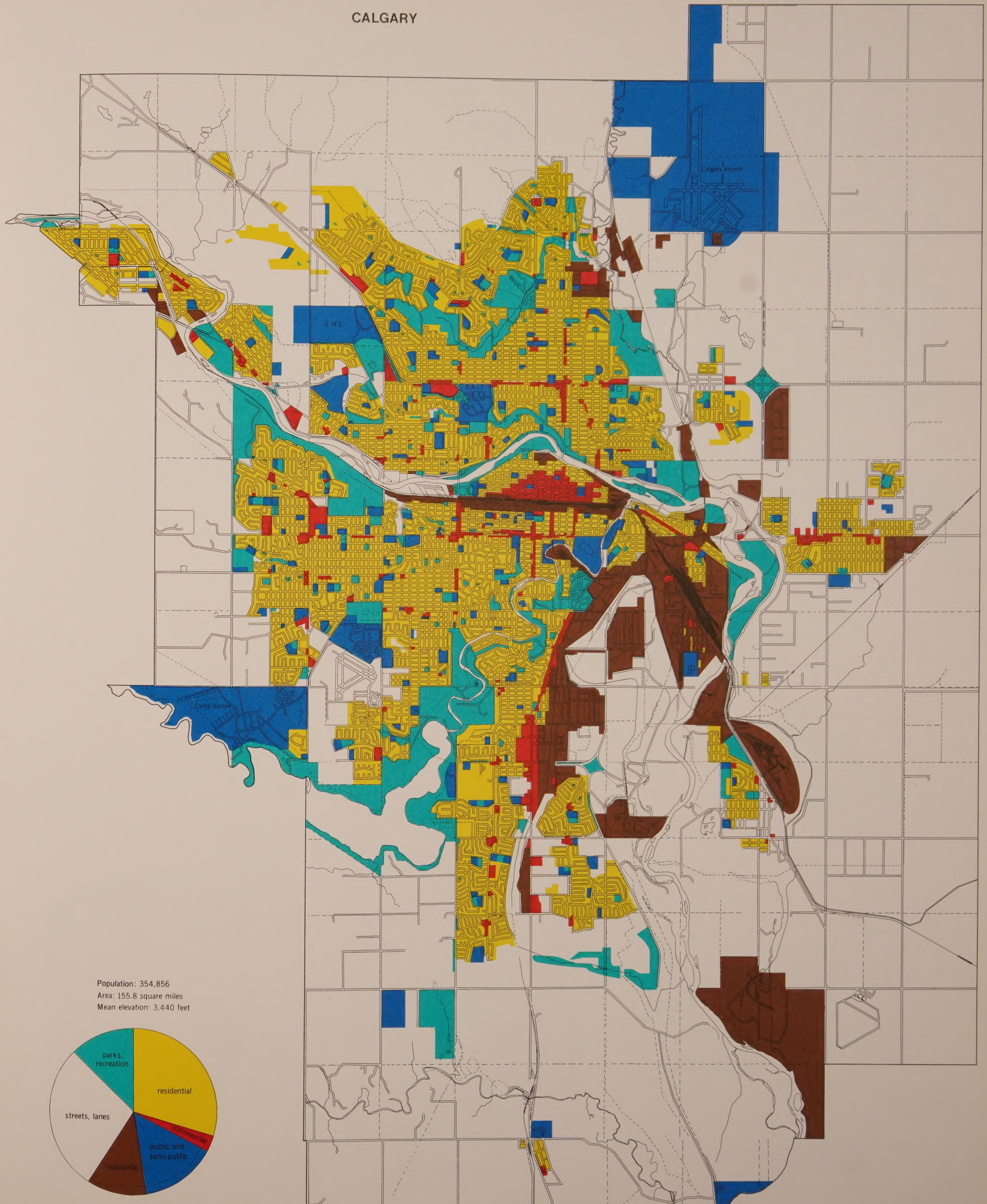
EDMONTON

Population: 393,563
Area: 85.6 square miles
Mean elevation: 2,190 feet



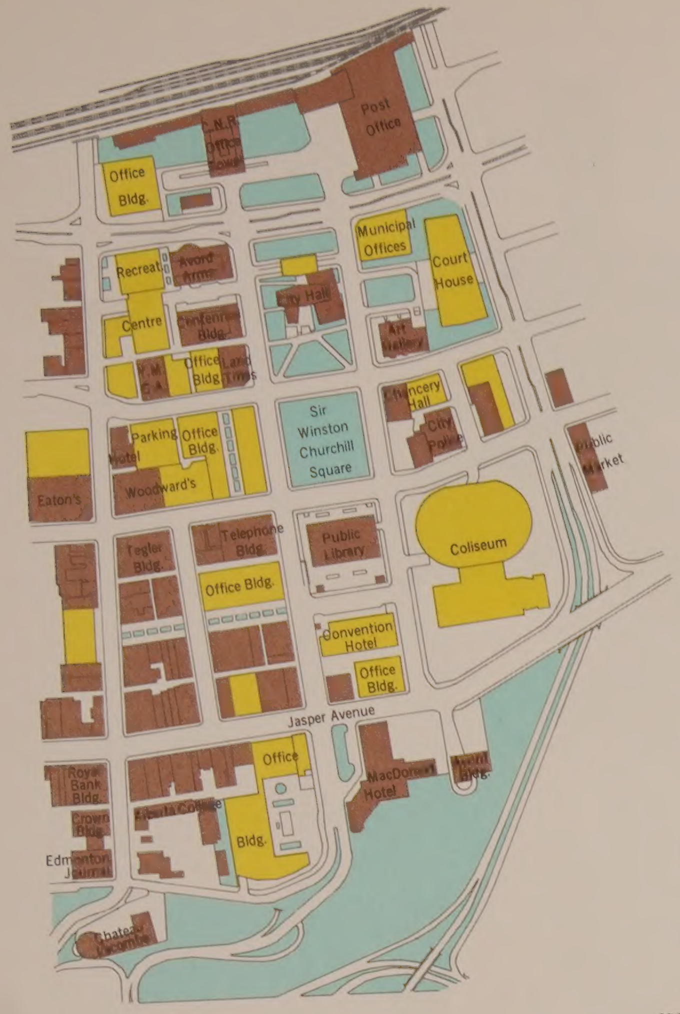

Industrial Airport
N.A.I.T.
Legislative Building
U of A
U of A Farm
General residential
Commercial
Public, semi-public
Industrial
Park, open-space
0
1
2
3 MILES

CALGARY


Calgary Airport
U of C
S.A.I.T.
Camp Sarcee
parks, recreation
residential
commercial
public and semi-public
industrial
streets, lanes

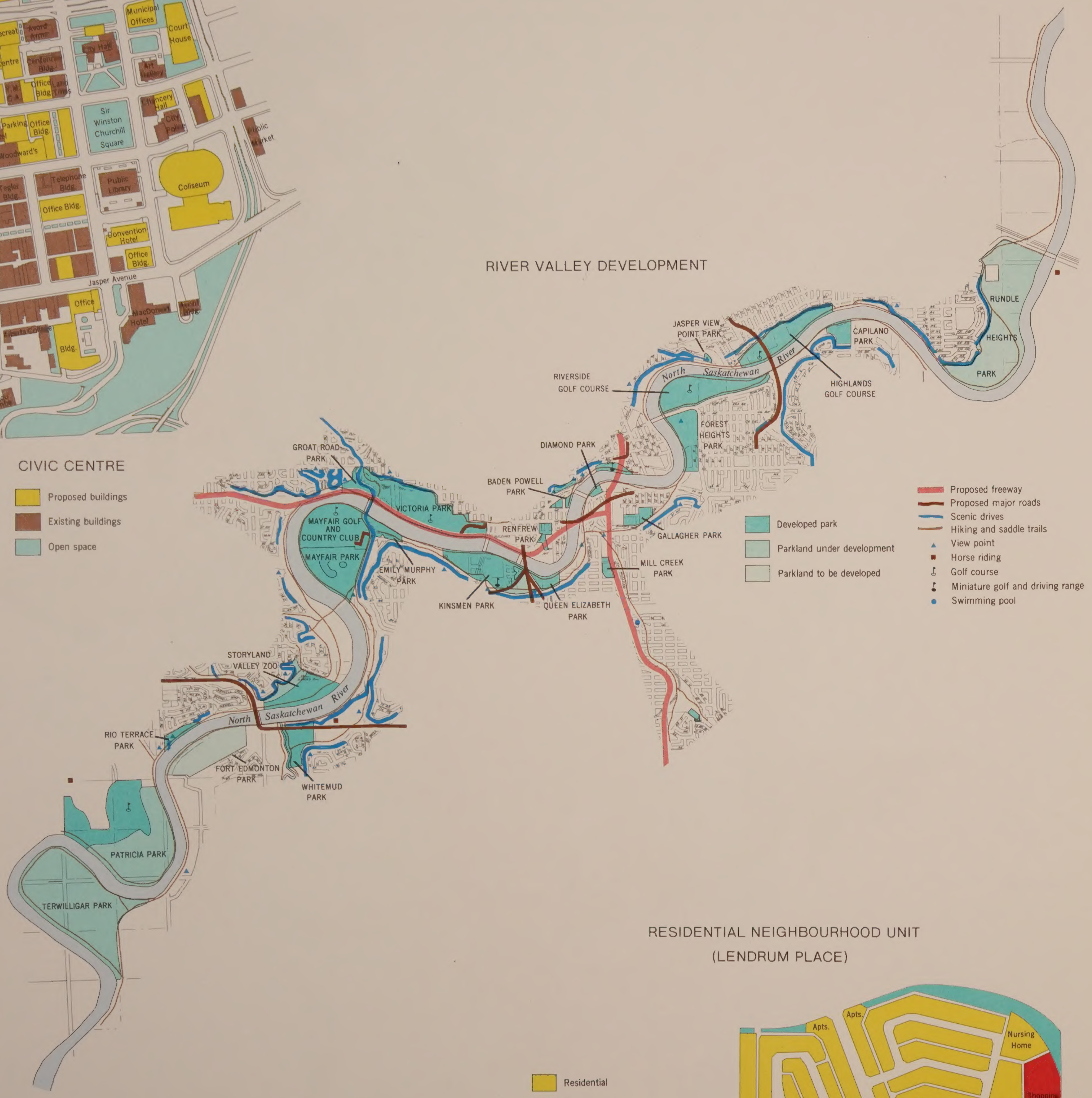
Population: 354,856
Area: 155.8 square miles
Mean elevation: 3,440 feet

EDMONTON


Post Office
C.N.R. Office Tower
Office Bldg.
Municipal Offices
Court House
Recreat.
Avord Arms
Centre
Centennial Bldg.
City Hall
Art Gallery
Y.M.C.A.
Office Bldg.
Land Titles
Chancery Hall
City Police
Public Market
Parking
Hotel
Office Bldg.
Sir Winston Churchill Square
Eaton's
Woodward's
Coliseum
Tegler Bldg.
Telephone Bldg.
Public Library
Office Bldg.
Convention Hotel
Office Bldg.
Jasper Avenue
Office
Bldg.
Royal Bank Bldg.
Crown Bldg.
Edmonton Journal
Alberta College
MacDonald Hotel
Bldg.
Chateau Lacombe

CIVIC CENTRE

🟨 Proposed buildings
🟫 Existing buildings
🟦 Open space


RIVER VALLEY DEVELOPMENT
JASPER VIEW POINT PARK
RIVERSIDE GOLF COURSE
North Saskatchewan River
CAPILANO PARK
RUNDLE HEIGHTS PARK
HIGHLANDS GOLF COURSE
FOREST HEIGHTS PARK
DIAMOND PARK
GROAT ROAD PARK
BADEN POWELL PARK
VICTORIA PARK
MAYFAIR GOLF AND COUNTRY CLUB
MAYFAIR PARK
RENFREW PARK
GALLAGHER PARK
EMILY MURPHY PARK
MILL CREEK PARK
KINSMEN PARK
QUEEN ELIZABETH PARK
STORYLAND VALLEY ZOO
North Saskatchewan River
RIO TERRACE PARK
FORT EDMONTON PARK
WHITEMUD PARK
PATRICIA PARK
TERWILLIGAR PARK
Proposed freeway
Proposed major roads
Scenic drives
Hiking and saddle trails
View point
Horse riding
Golf course
Miniature golf and driving range
Swimming pool
Developed park
Parkland under development
Parkland to be developed

RESIDENTIAL NEIGHBOURHOOD UNIT (LENDRUM PLACE)

🟨 Residential
🟥 Commercial
🟦 Public
🟦 Open space

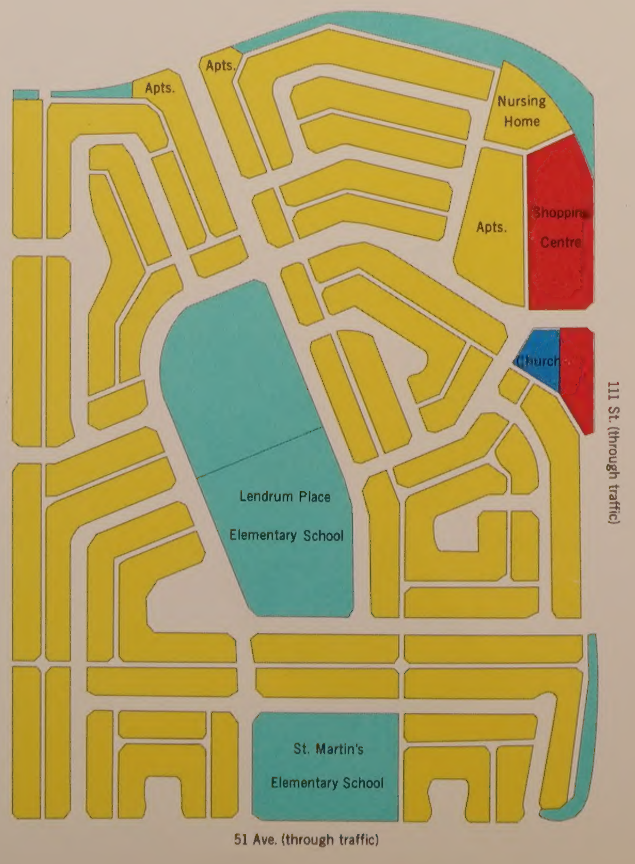
FACILITIES IN THE SHOPPING CENTRE:

RETAIL

Supermarket
Hardware
Clothing
Drugstore
Gifts and records
Flowers
Cleaner

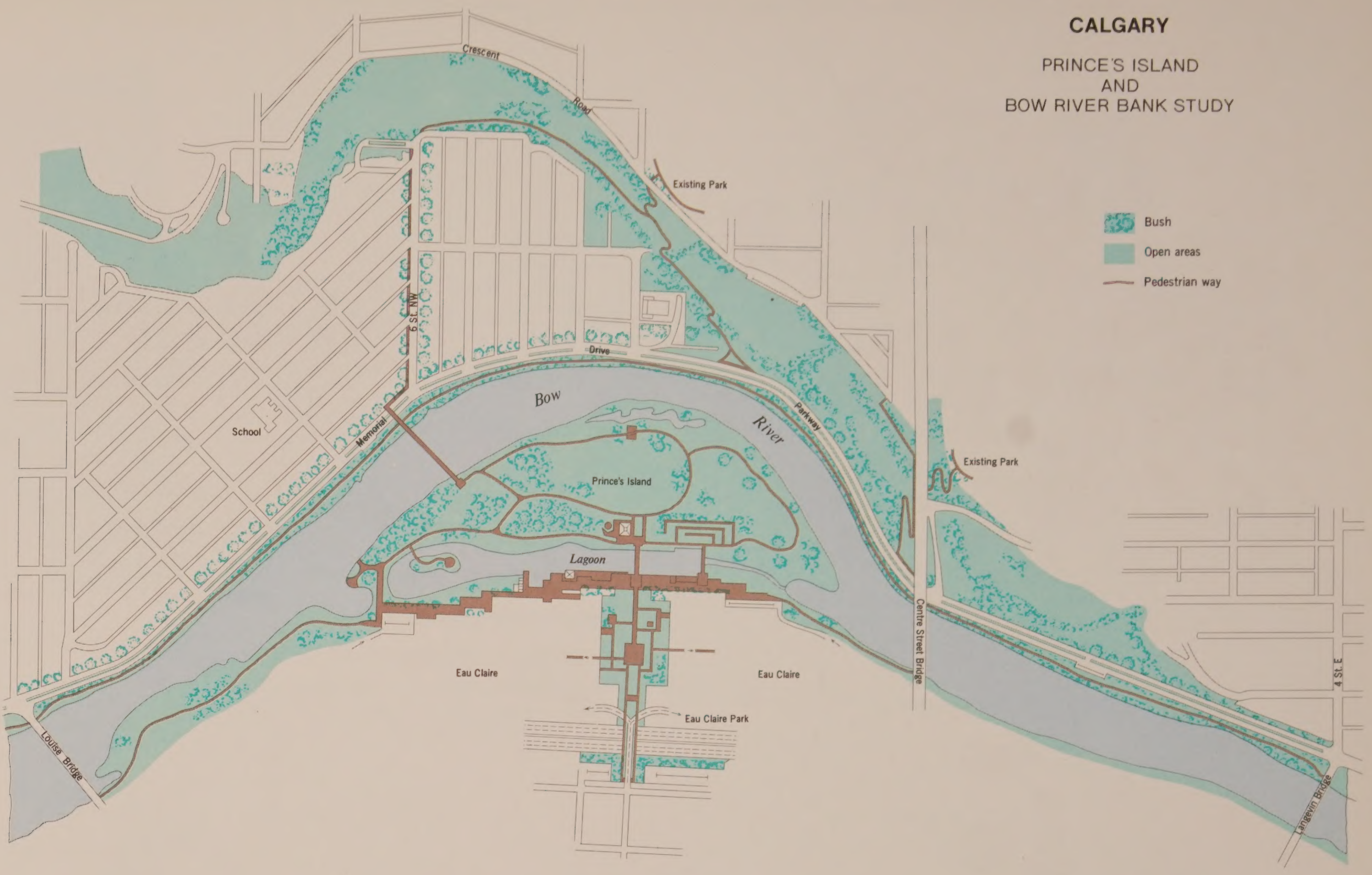
SERVICE

Hairdresser
Barber
Bakery
Govt. liquor store
Gasoline station
Laundrette
Bank
Cafe

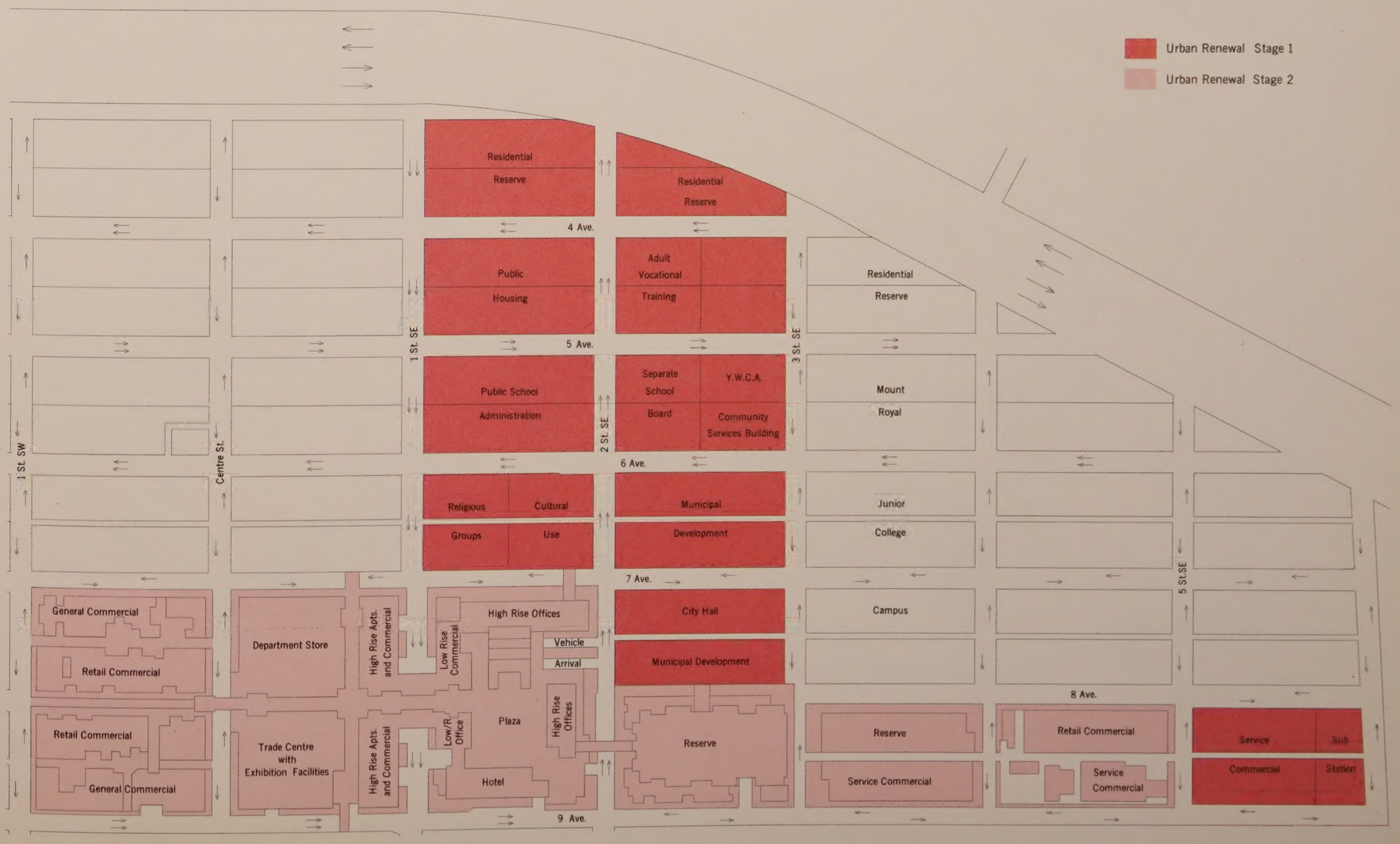

Apts.
Apts.
Nursing Home
Shopping Centre
Apts.
Church
111 St. (through traffic)
Lendrum Place Elementary School
St. Martin's Elementary School
51 Ave. (through traffic)

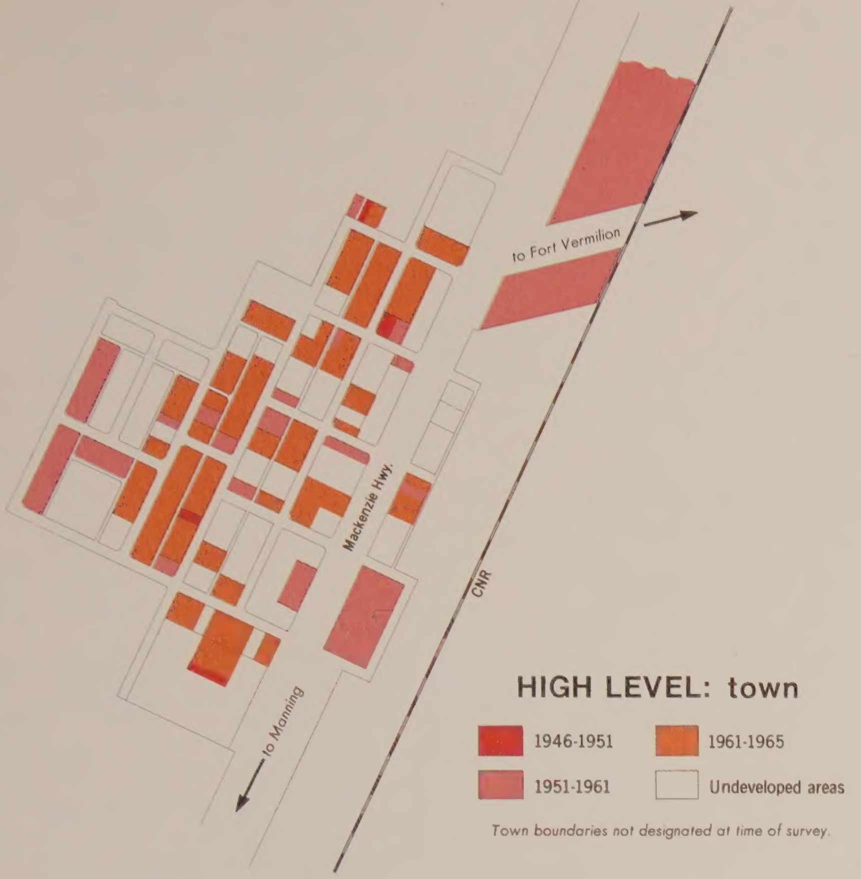
CALGARY

PRINCE'S ISLAND
AND
BOW RIVER BANK STUDY

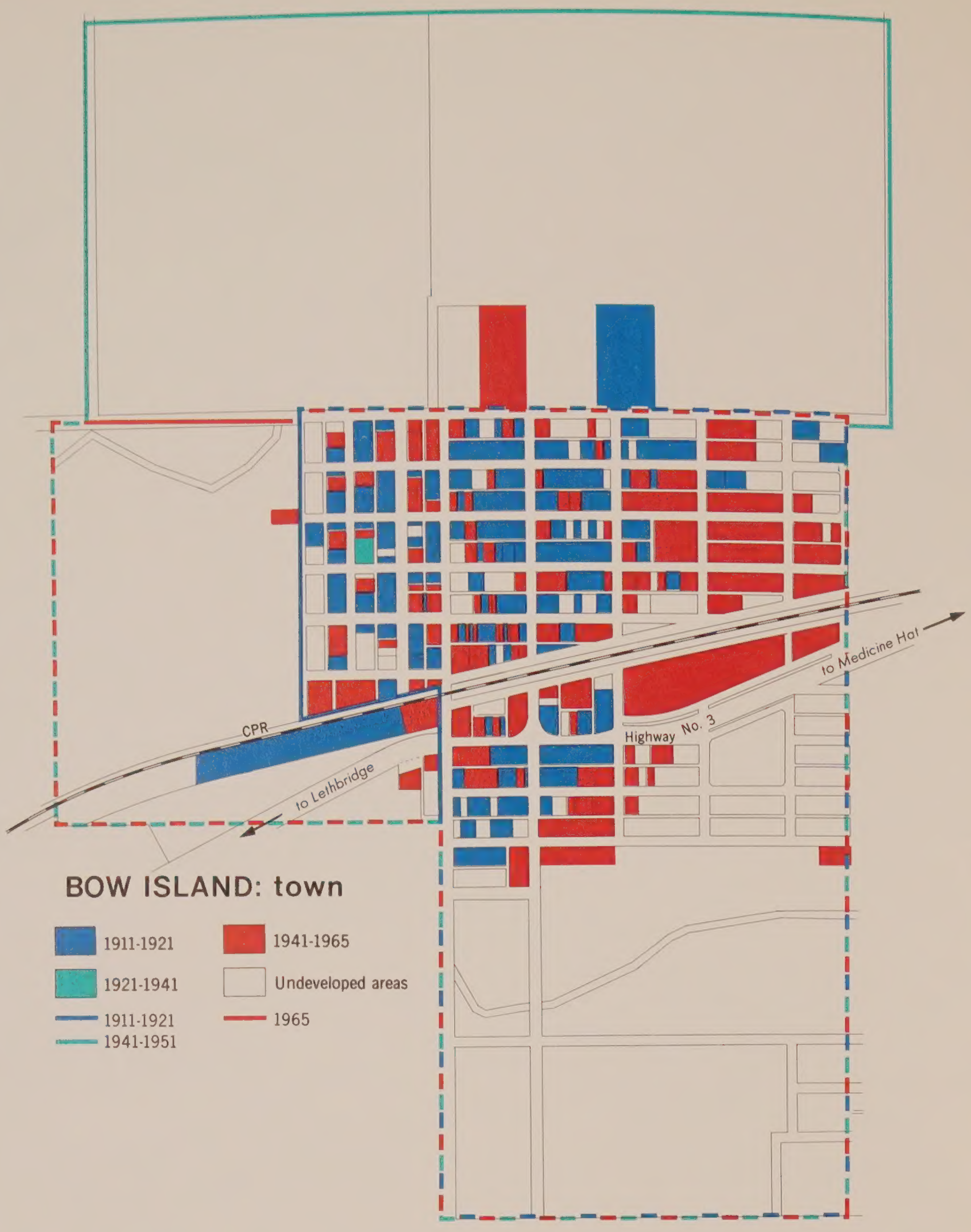

Bush
Open areas
Pedestrian way
Crescent
Road
Existing Park
5 St. NW
Drive
Bow
River
Parkway
School
Memorial
Prince's Island
Lagoon
Existing Park
Eau Claire
Eau Claire
Eau Claire Park
Centre Street Bridge
4 St. E
Louise Bridge
Langevin Bridge

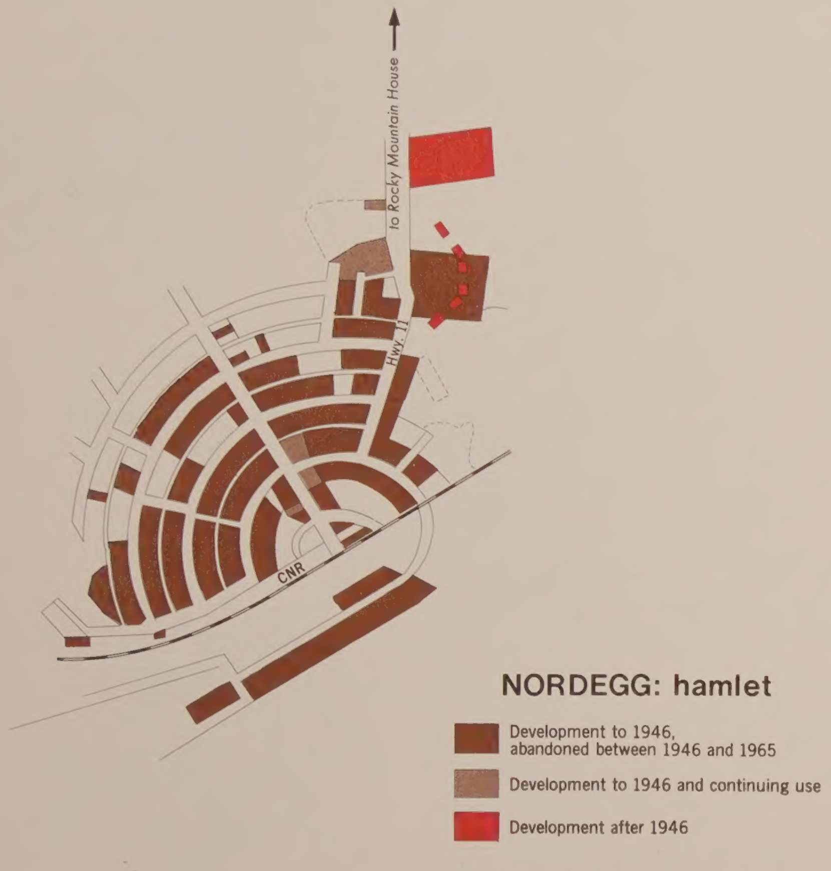
PROPOSED URBAN RENEWAL
(CHURCHILL PARK)


Urban Renewal Stage 1
Urban Renewal Stage 2
Residential Reserve
Residential Reserve
4 Ave.
Public Housing
Adult Vocational Training
Residential Reserve
5 Ave.
1 St. SE
3 St. SE
Public School Administration
Separate School Board
Y.W.C.A.
Community Services Building
Mount Royal
2 St. SE
6 Ave.
1 St. SW
Centre St.
Religious Groups
Cultural Use
Municipal Development
Junior College
7 Ave.
5 St SE
General Commercial
Retail Commercial
Department Store
High Rise Apts. and Commercial
Low Rise Commercial
High Rise Offices
Vehicle
Arrival
City Hall
Municipal Development
Campus
8 Ave.
Retail Commercial
General Commercial
Trade Centre with Exhibition Facilities
High Rise Apts. and Commercial
Low/R. Office
Plaza
High Rise Offices
Hotel
Reserve
Reserve
Service Commercial
Retail Commercial
Service Commercial
Service Commercial
Sub Station
9 Ave.

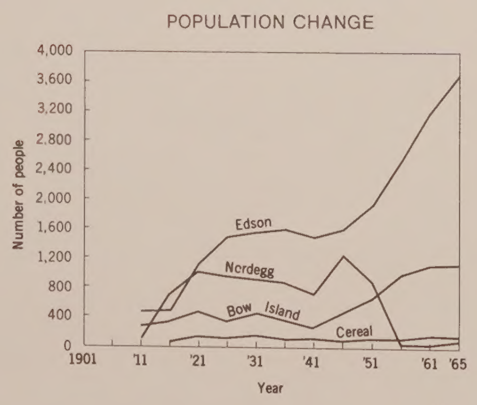

HIGH LEVEL: town
to Fort Vermilion
Mackenzie Hwy.
CNR
to Manning
1946-1951
1961-1965
1951-1961
Undeveloped areas

Town boundaries not designated at time of survey.


BOW ISLAND: town
CPR
Highway No. 3
to Medicine Hat
to Lethbridge
1911-1921
1941-1965
1921-1941
Undeveloped areas
1911-1921
1941-1951
1965

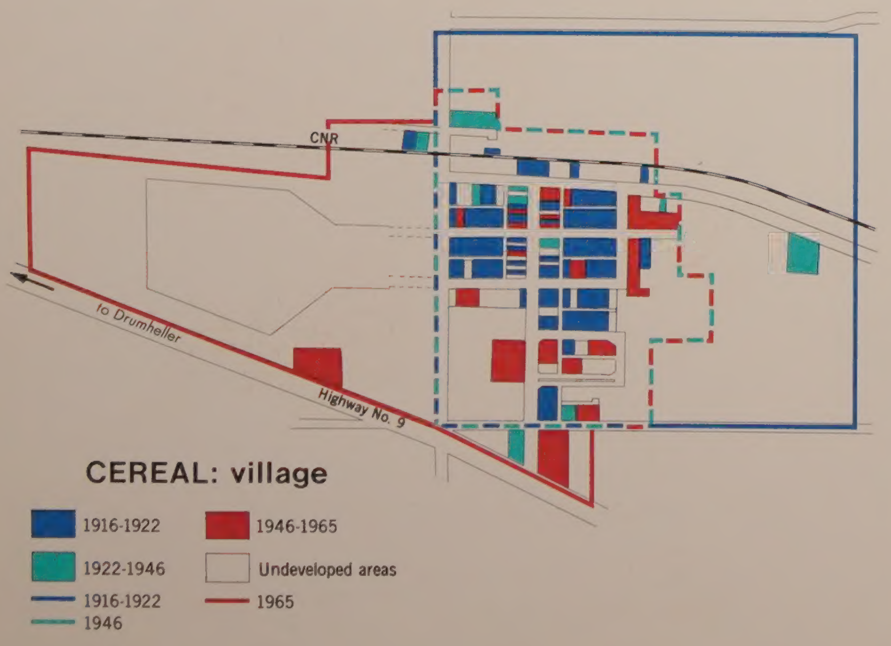

NORDEGG: hamlet
to Rocky Mountain House
Hwy. 11
CNR
Development to 1946, abandoned between 1946 and 1965
Development to 1946 and continuing use
Development after 1946

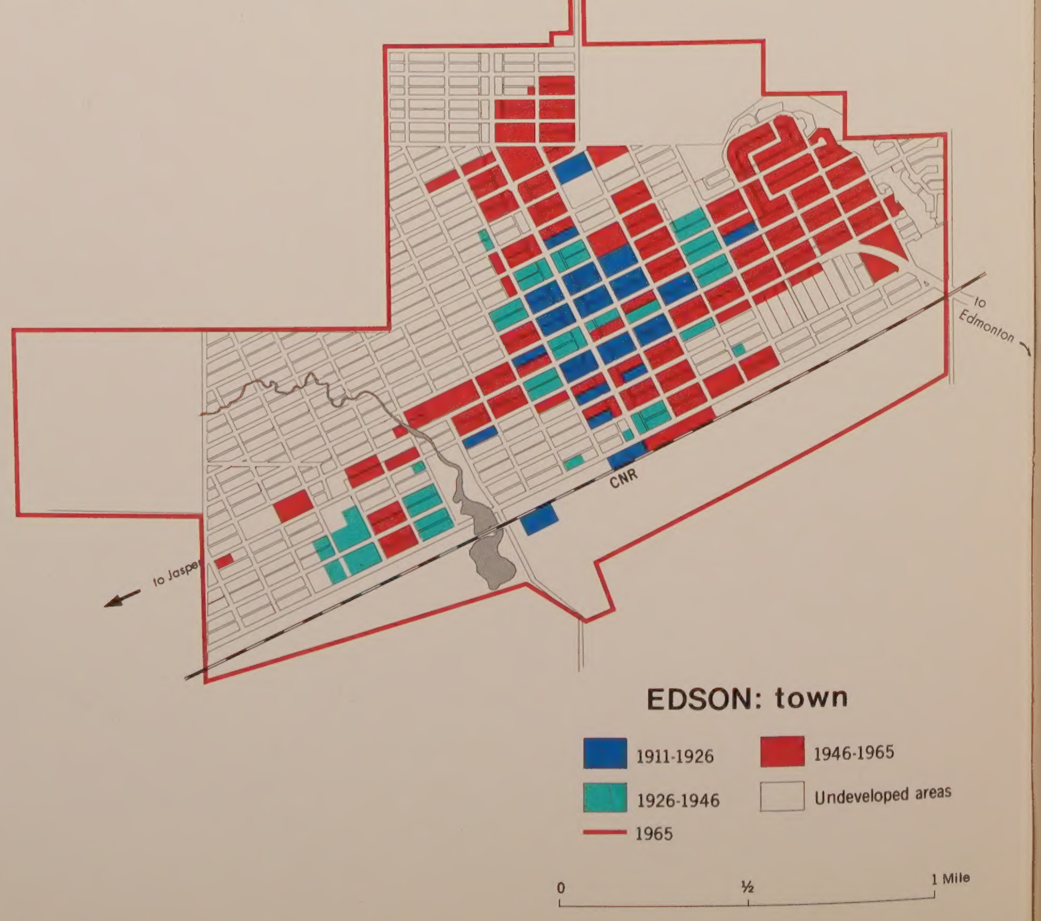
Since Nordegg was a Company Settlement no boundaries were designated

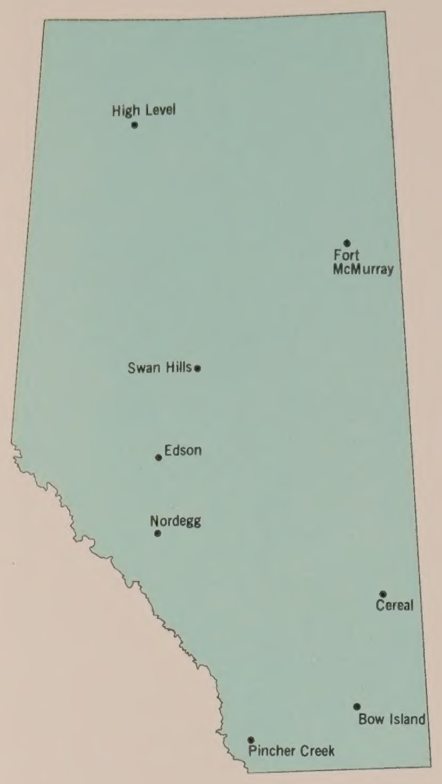

POPULATION CHANGE

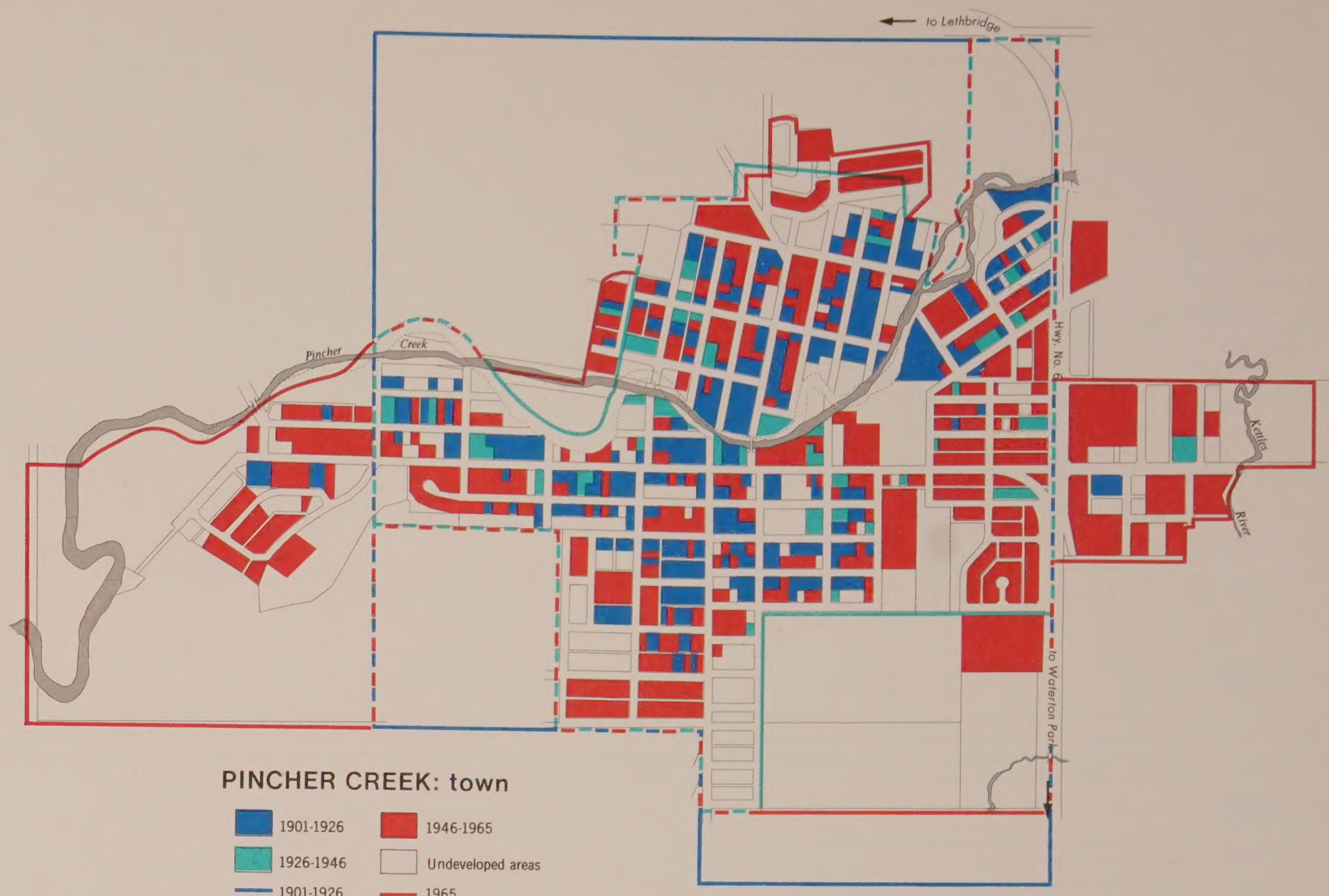
Scale for all plans except Edson and Ft. McMurray

0 ¼ ½ Mile


CEREAL: village
CNR
to Drumheller
Highway No. 9
1916-1922
1946-1965
1922-1946
Undeveloped areas
1916-1922
1946
1965


EDSON: town
to Edmonton
CNR
to Jasper
1911-1926
1946-1965
1926-1946
Undeveloped areas
1965
0
½
1 Mile

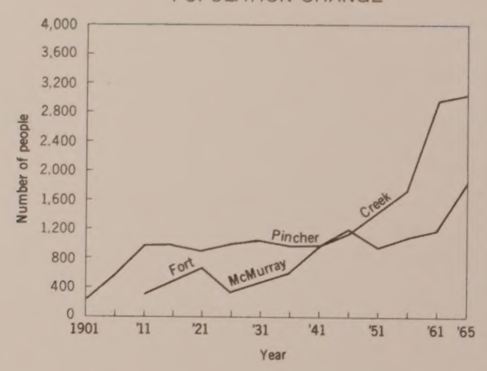

High Level
Fort McMurray
Swan Hills
Edson
Nordegg
Cereal
Bow Island
Pincher Creek

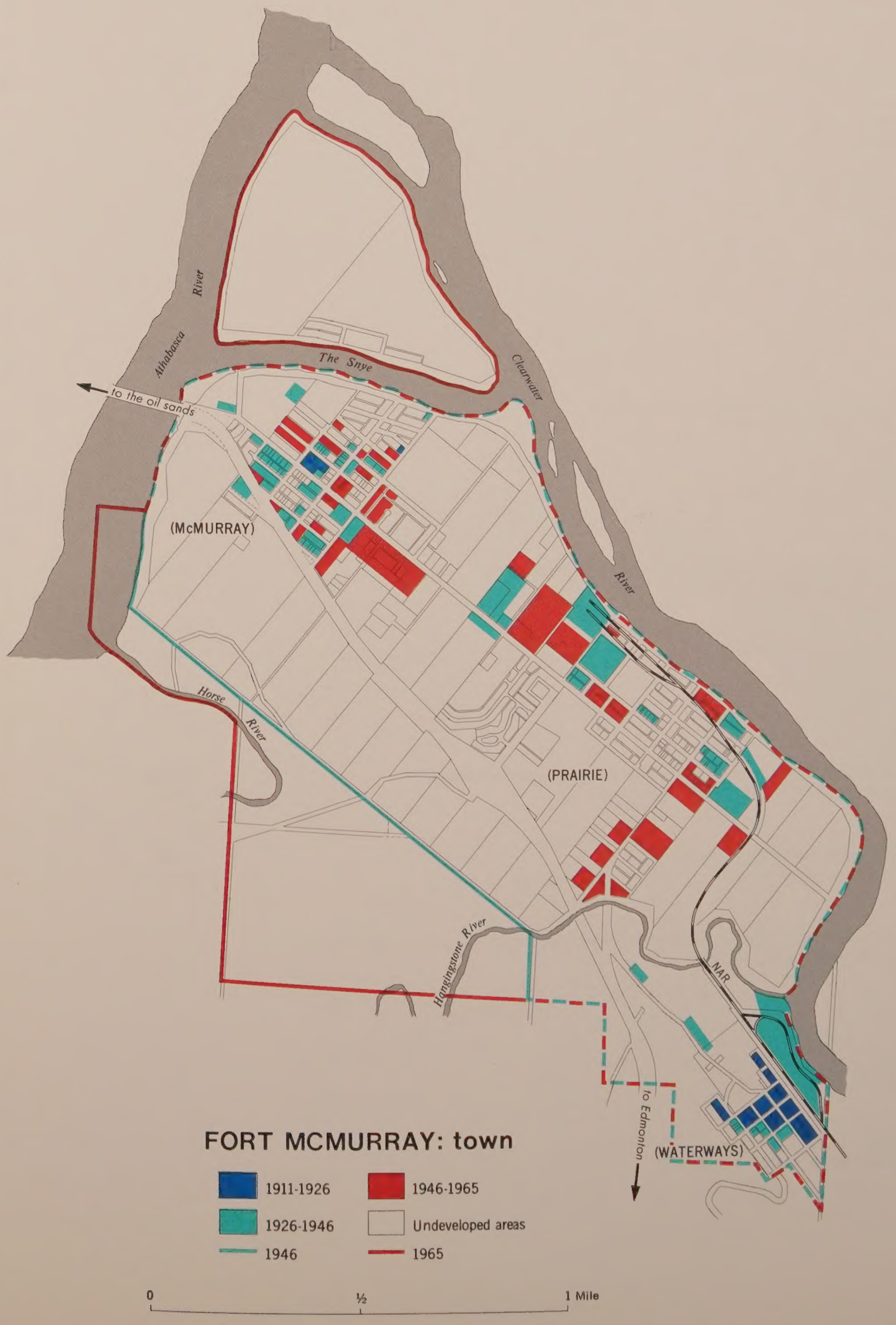

to Lethbridge
Pincher Creek
Hwy. No. 6
Kettles River
to Waterton Park

PINCHER CREEK: town

- 🟦 1901-1926
- 🟩 1926-1946
- 🟥 1946-1965
- ☐ Undeveloped areas
- — 1901-1926
- — 1946
- — 1965

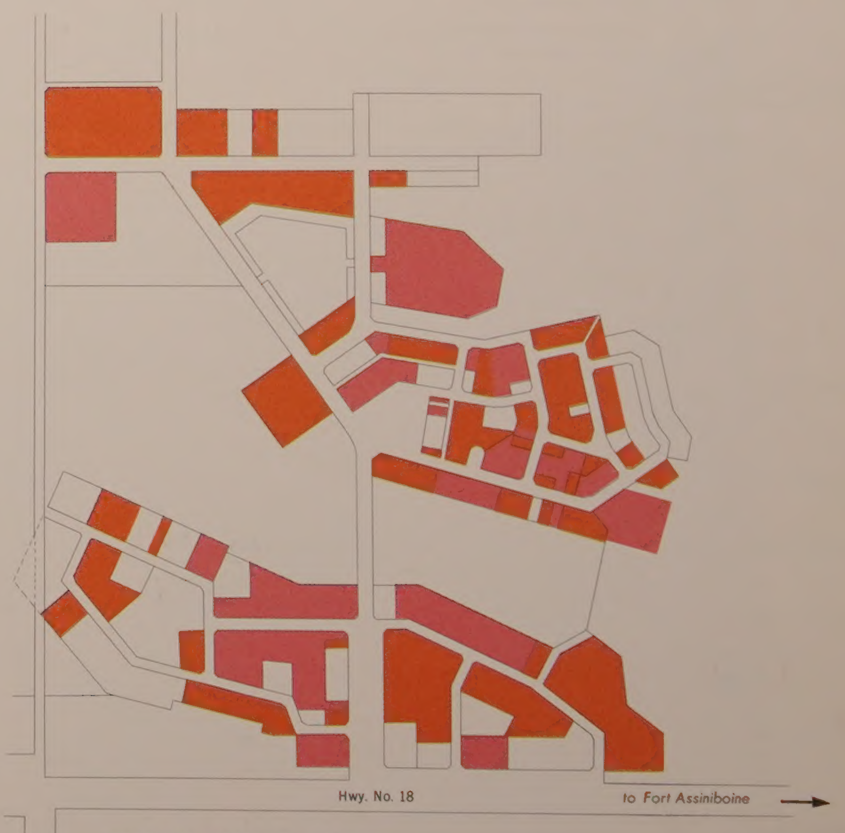
POPULATION CHANGE




Athabasca River
The Snye
Clearwater River
to the oil sands
(McMURRAY)
Horse River
(PRAIRIE)
Hangingstone River
NAR
to Edmonton
(WATERWAYS)
0
½
1 Mile

FORT MCMURRAY: town

- 🟦 1911-1926
- 🟩 1926-1946
- — 1946
- 🟥 1946-1965
- ☐ Undeveloped areas
- — 1965

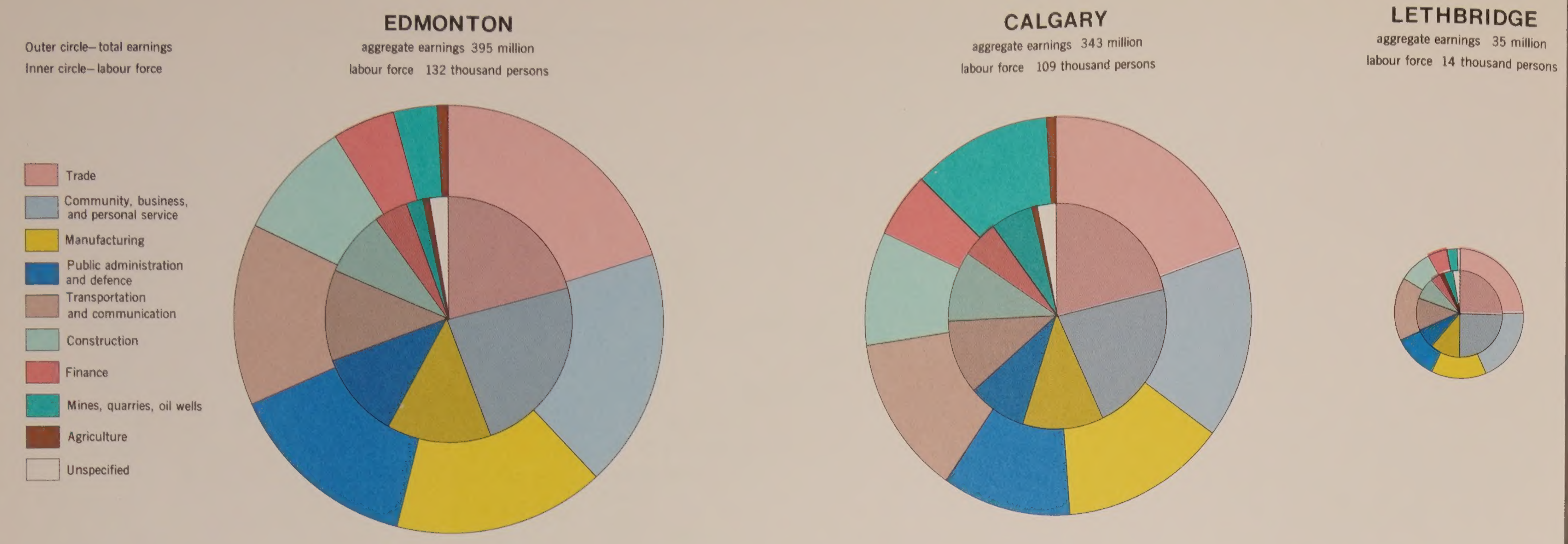

Hwy. No. 18
to Fort Assiniboine

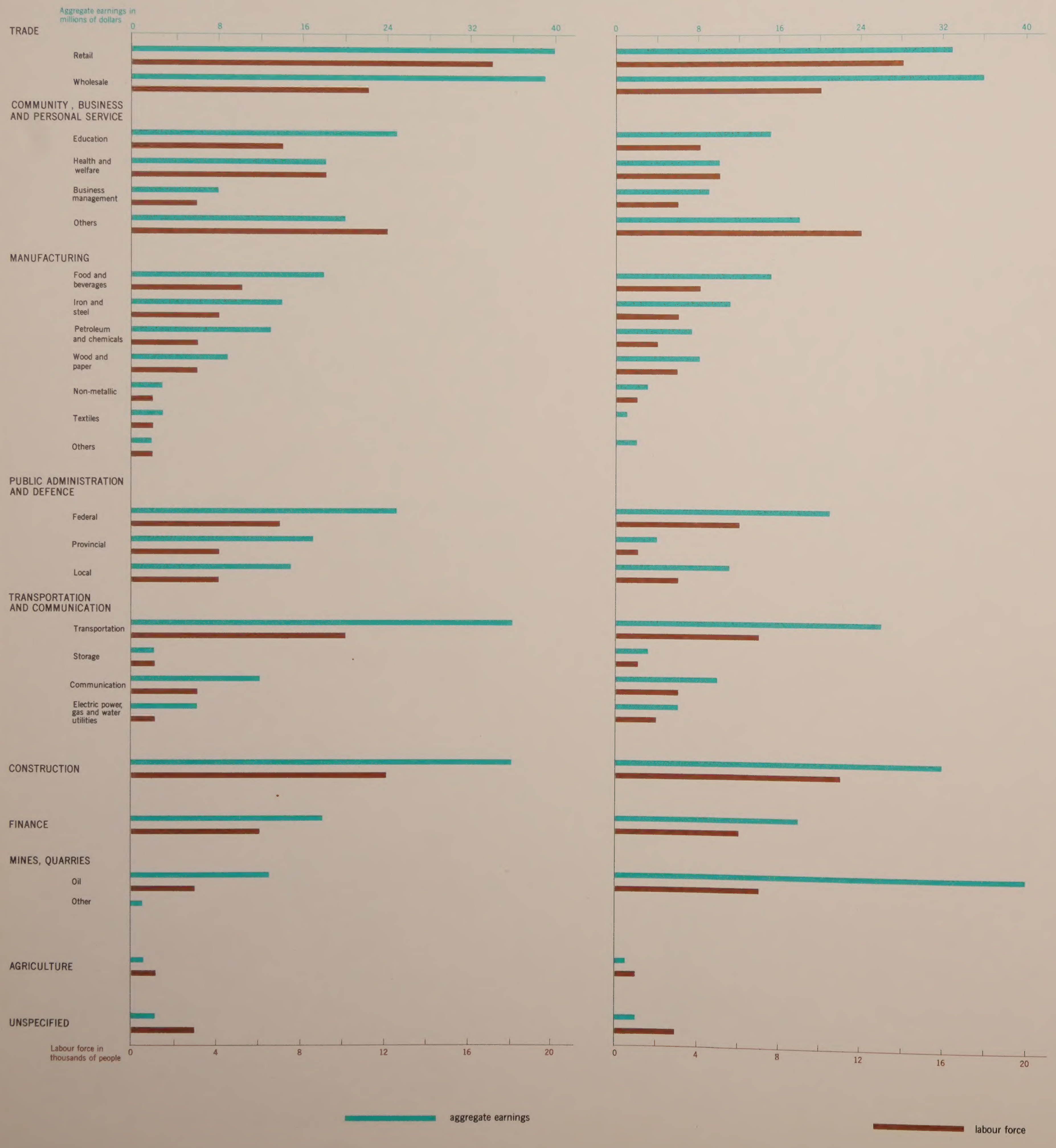
SWAN HILLS: town

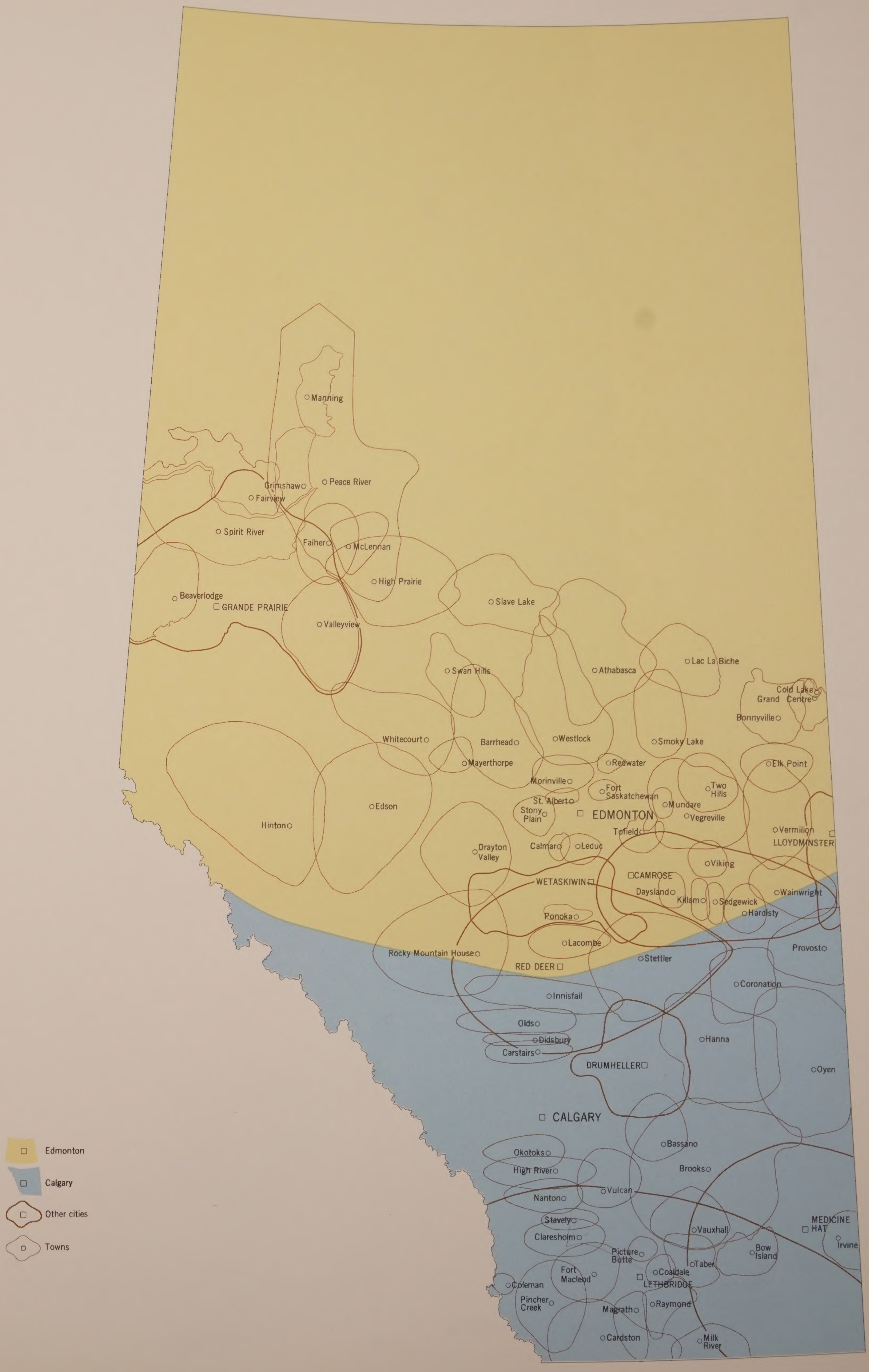
- 🟥 1959-1961
- 🟧 1961-1965
- ☐ Undeveloped areas

Only the developed portion within the town boundary is shown.

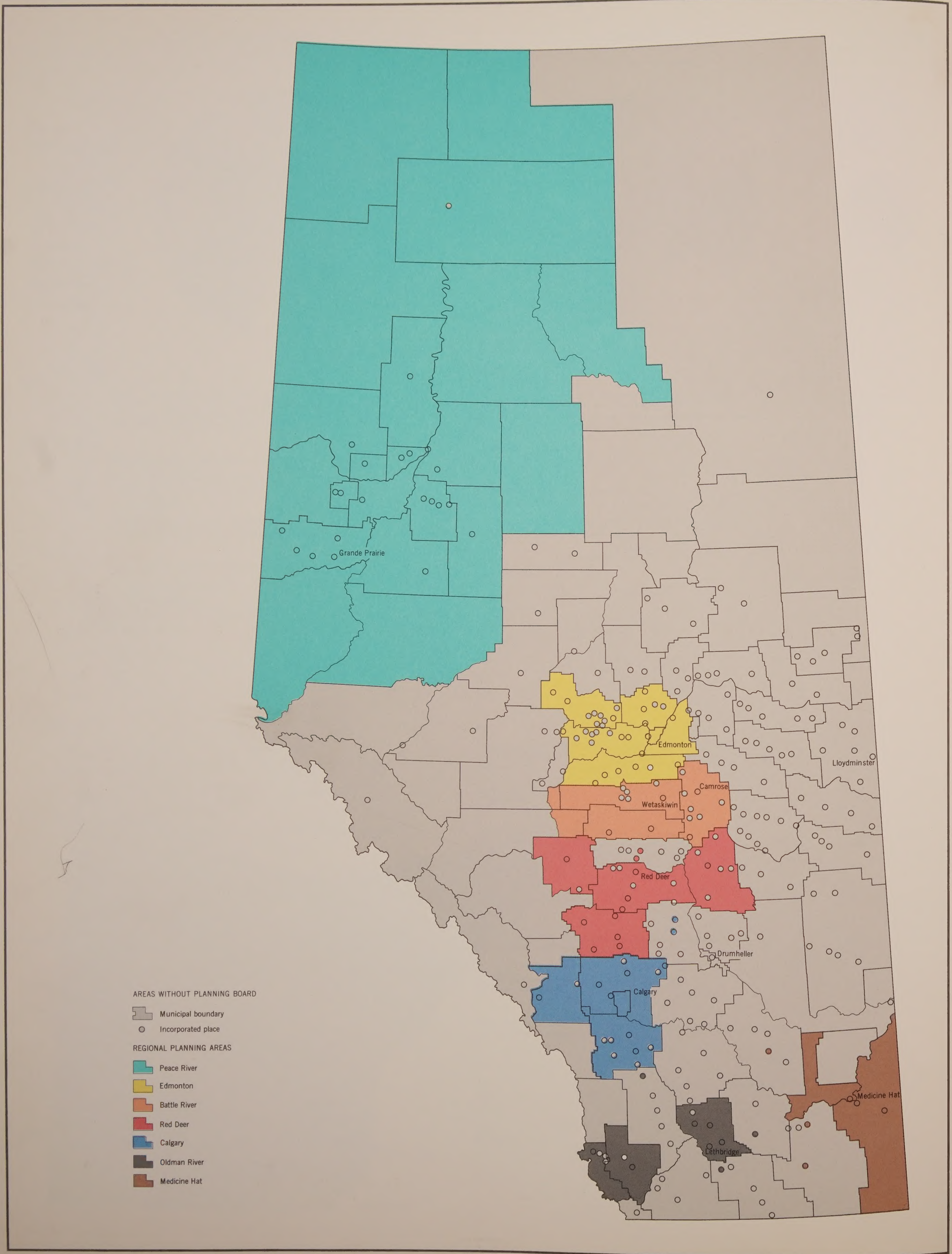
LABOUR FORCE AND EARNINGS, 1965

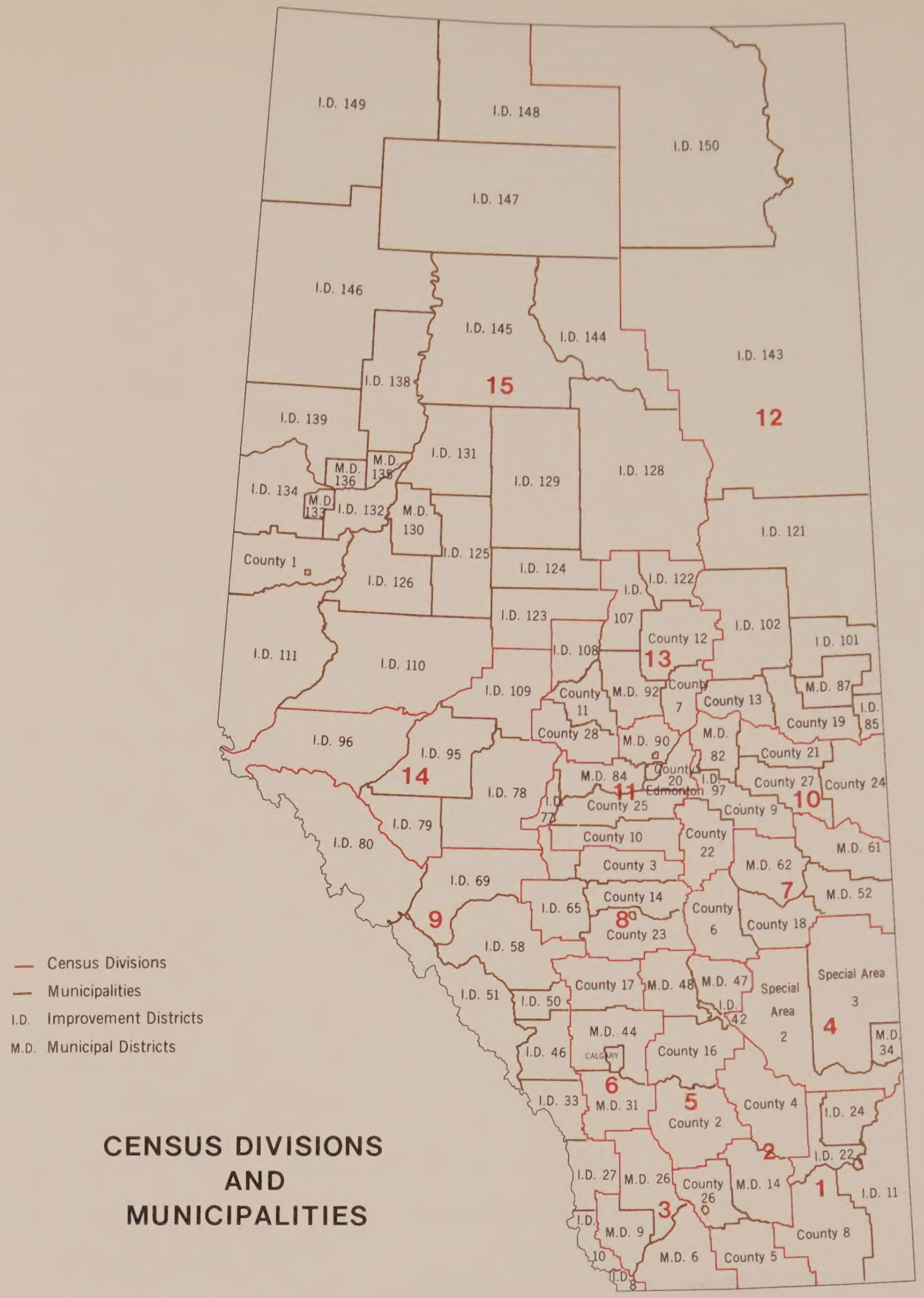




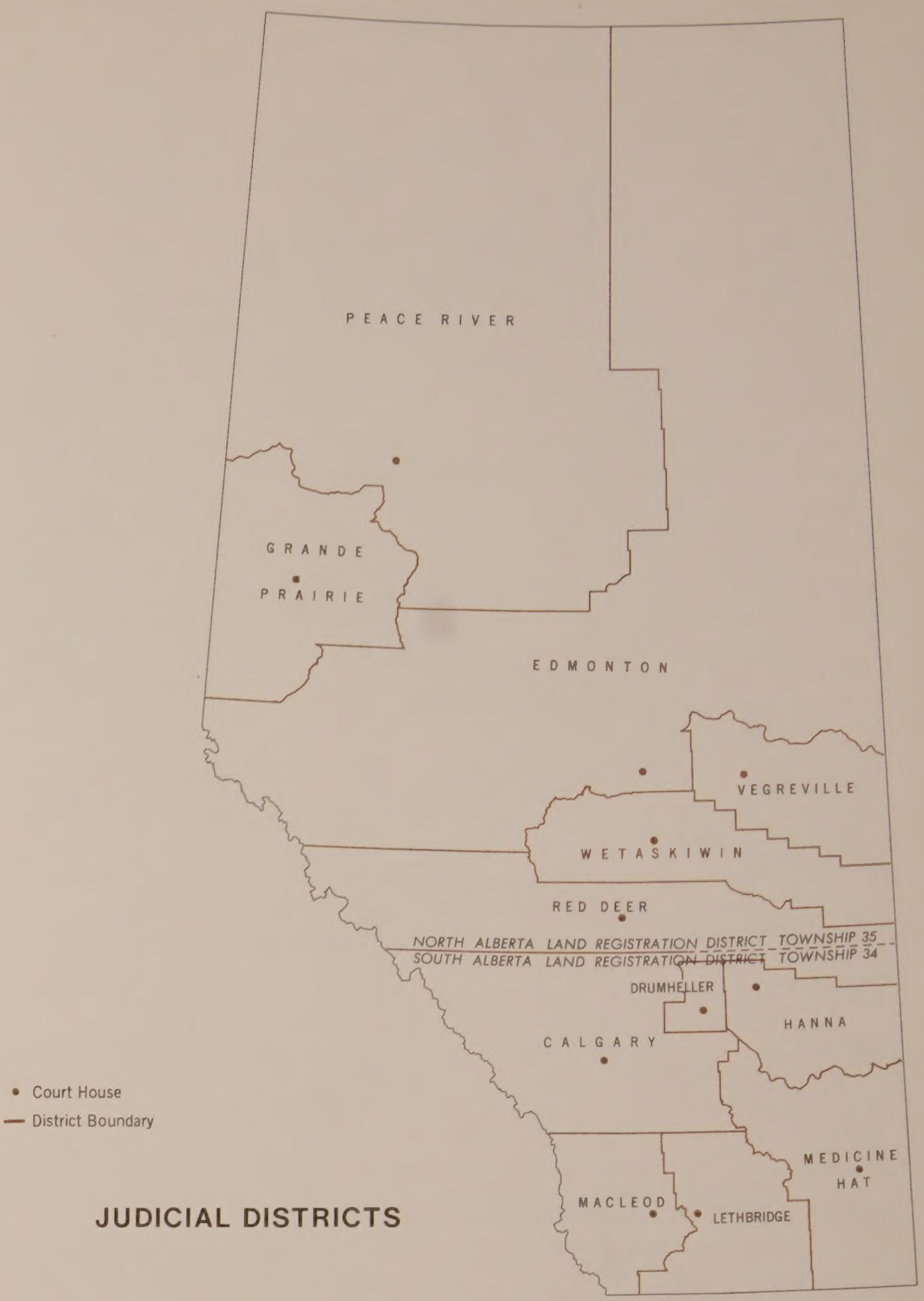

Manning
Grimshaw
Peace River
Fairview
Spirit River
Falher
McLennan
High Prairie
Beaverlodge
GRANDE PRAIRIE
Valleyview
Slave Lake
Swan Hills
Athabasca
Lac La Biche
Cold Lake
Grand Centre
Bonnyville
Whitecourt
Barrhead
Westlock
Smoky Lake
Mayerthorpe
Redwater
Elk Point
Morinville
Fort Saskatchewan
Two Hills
St. Albert
Mundare
Stony Plain
EDMONTON
Vegreville
Edson
Hinton
Tofield
Vermilion
LLOYDMINSTER
Drayton Valley
Calmar
Leduc
Viking
CAMROSE
WETASKIWIN
Daysland
Killam
Sedgewick
Wainwright
Hardisty
Ponoka
Lacombe
Provost
Rocky Mountain House
RED DEER
Stettler
Coronation
Innisfail
Olds
Didsbury
Carstairs
Hanna
DRUMHELLER
Oyen
CALGARY
Bassano
Okotoks
High River
Brooks
Nanton
Vulcan
Stavely
MEDICINE HAT
Claresholm
Vauxhall
Irvine
Picture Butte
Bow Island
Coaldale
Taber
Fort Macleod
LETHBRIDGE
Coleman
Pincher Creek
Raymond
Magrath
Cardston
Milk River
Edmonton
Calgary
Other cities
Towns

REGIONAL PLANNING COMMISSIONS

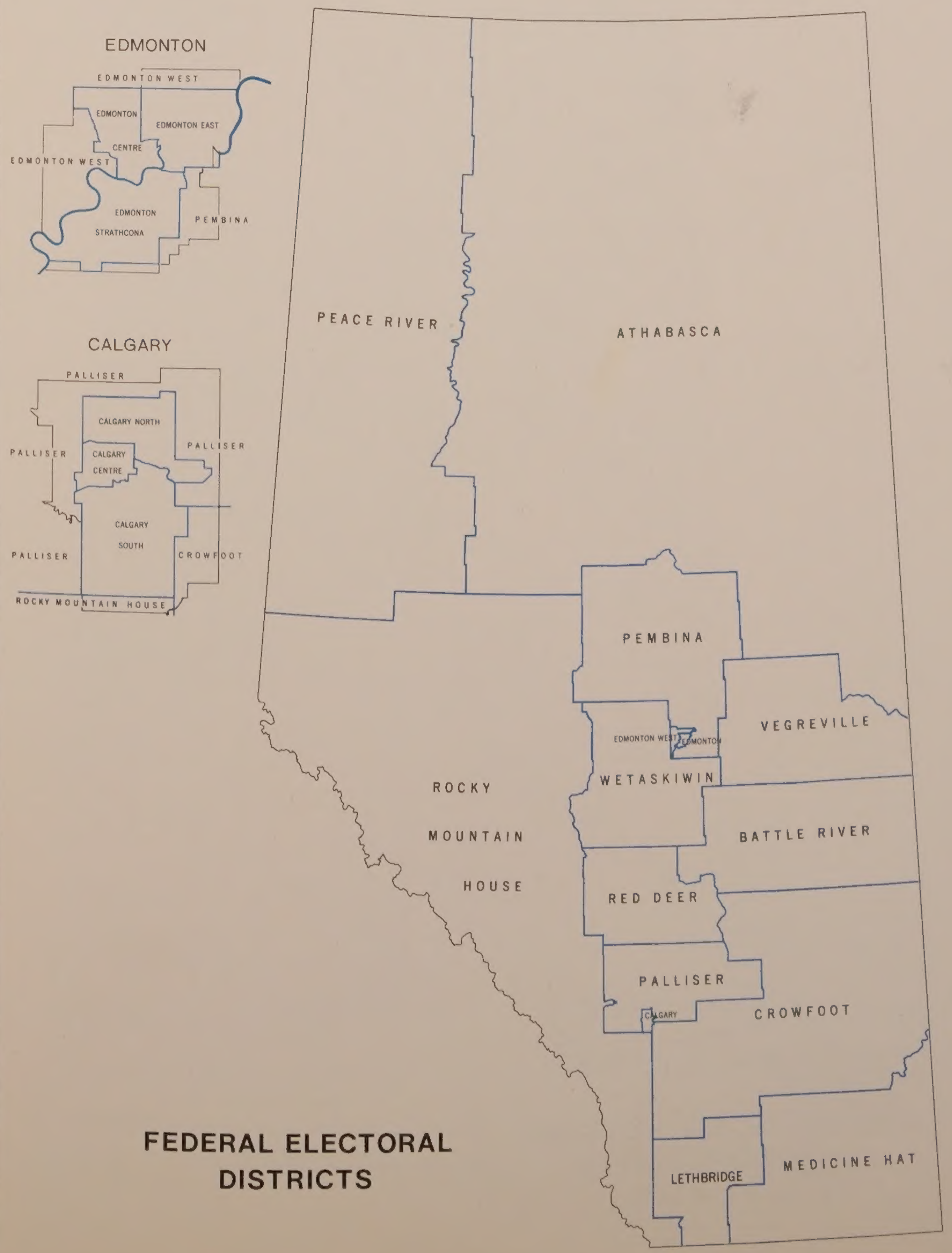

Grande Prairie
Edmonton
Lloydminster
Camrose
Wetaskiwin
Red Deer
Drumheller
Calgary
Medicine Hat
Lethbridge
AREAS WITHOUT PLANNING BOARD
Municipal boundary
Incorporated place
REGIONAL PLANNING AREAS
Peace River
Edmonton
Battle River
Red Deer
Calgary
Oldman River
Medicine Hat


I.D. 149
I.D. 148
I.D. 150
I.D. 147
I.D. 146
I.D. 145
I.D. 144
I.D. 143
15
12
I.D. 138
I.D. 139
I.D. 131
I.D. 129
I.D. 128
M.D. 136
M.D. 135
I.D. 134
M.D. 133
I.D. 132
M.D. 130
I.D. 121
County 1
I.D. 125
I.D. 124
I.D. 126
I.D. 122
I.D. 107
I.D. 123
I.D. 102
County 12
I.D. 101
I.D. 111
I.D. 110
I.D. 108
13
I.D. 109
County 11
M.D. 92
County 7
M.D. 87
County 13
I.D. 85
County 19
I.D. 96
County 28
M.D. 90
M.D. 82
I.D. 95
14
County 21
M.D. 84
County 20
I.D. 97
County 27
County 24
I.D. 78
11
Edmonton
I.D. 77
County 25
County 9
10
I.D. 79
County 10
County 22
M.D. 61
I.D. 80
County 3
M.D. 62
7
I.D. 69
M.D. 52
I.D. 65
County 14
8
County 6
County 18
9
County 23
I.D. 58
Special Area 3
County 17
M.D. 48
M.D. 47
Special Area 2
I.D. 51
I.D. 50
I.D. 42
4
M.D. 44
M.D. 34
I.D. 46
Calgary
County 16
6
I.D. 33
M.D. 31
5
County 4
I.D. 24
County 2
2
I.D. 27
M.D. 26
County 26
M.D. 14
I.D. 22
1
I.D. 11
I.D. 10
M.D. 9
3
County 8
M.D. 6
County 5
I.D. 8
Census Divisions
Municipalities
I.D. Improvement Districts
M.D. Municipal Districts

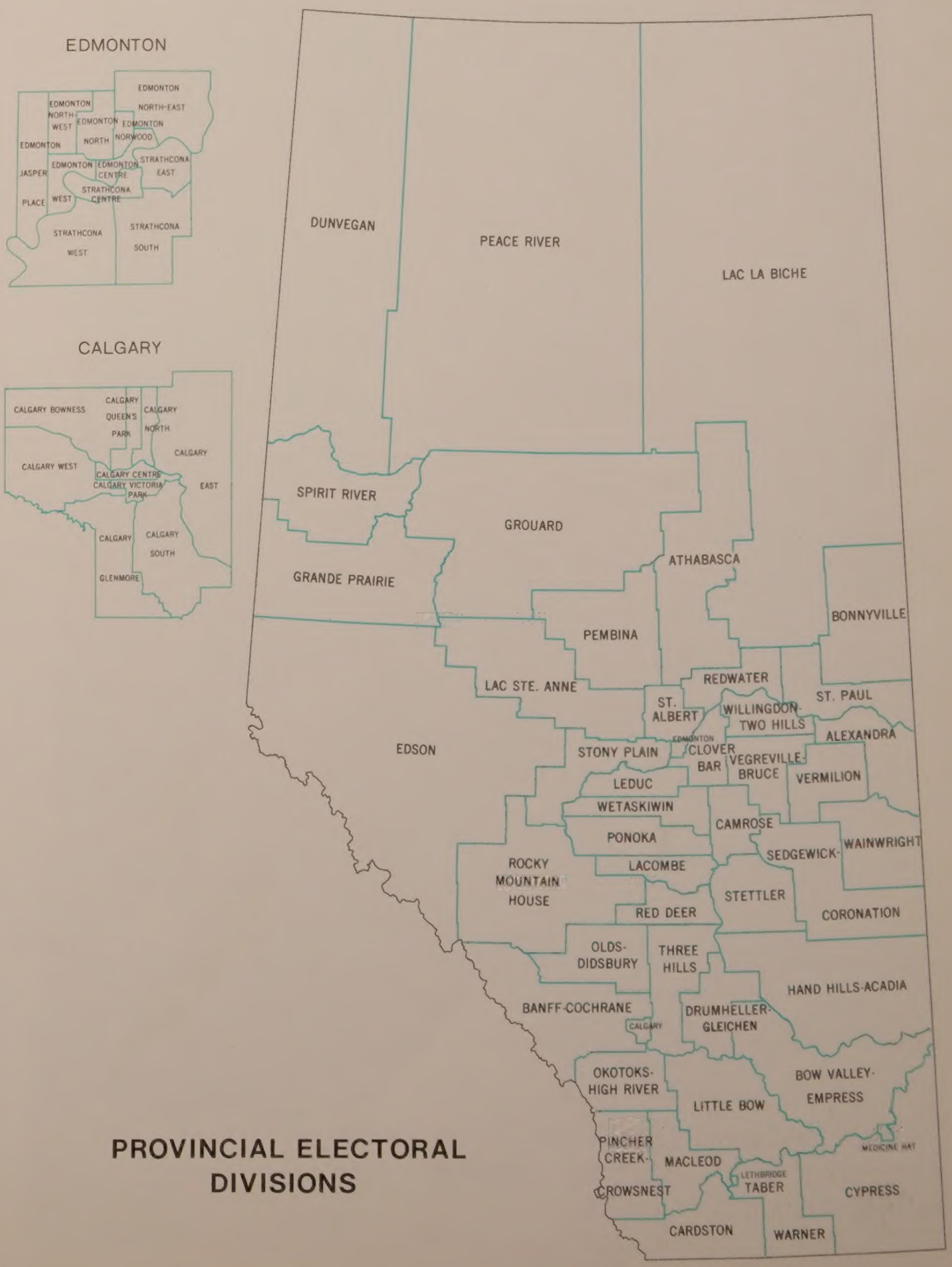
CENSUS DIVISIONS AND MUNICIPALITIES


PEACE RIVER
GRANDE PRAIRIE
EDMONTON
VEGREVILLE
WETASKIWIN
RED DEER
NORTH ALBERTA LAND REGISTRATION DISTRICT TOWNSHIP 35
SOUTH ALBERTA LAND REGISTRATION DISTRICT TOWNSHIP 34
DRUMHELLER
HANNA
CALGARY
MEDICINE HAT
MACLEOD
LETHBRIDGE
Court House
District Boundary

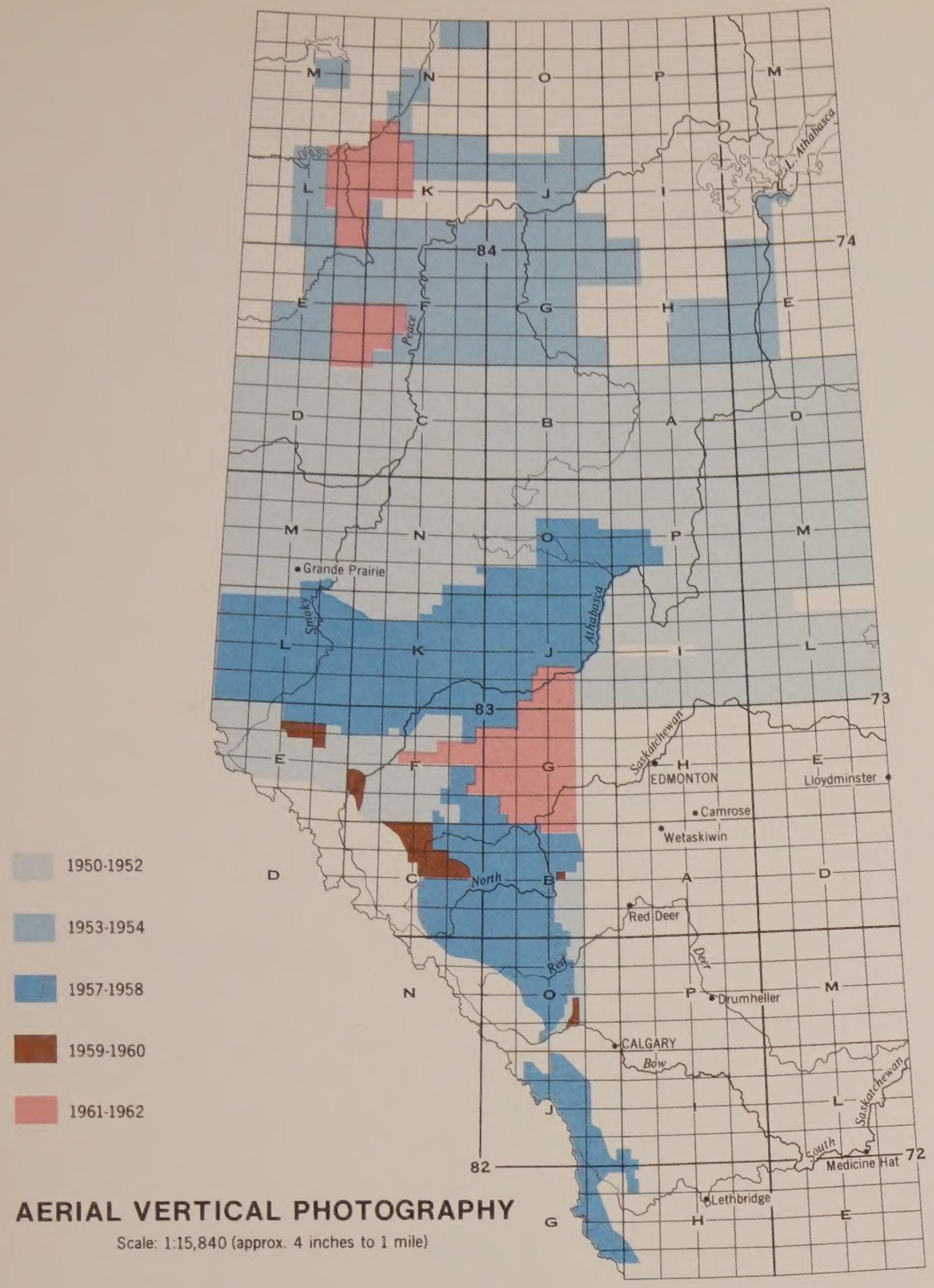
JUDICIAL DISTRICTS


EDMONTON
EDMONTON WEST
EDMONTON
EDMONTON EAST
CENTRE
EDMONTON WEST
EDMONTON
STRATHCONA
PEMBINA
CALGARY
PALLISER
CALGARY NORTH
PALLISER
PALLISER
CALGARY CENTRE
CALGARY SOUTH
PALLISER
CROWFOOT
ROCKY MOUNTAIN HOUSE
PEACE RIVER
ATHABASCA
PEMBINA
EDMONTON WEST
EDMONTON
VEGREVILLE
WETASKIWIN
ROCKY MOUNTAIN HOUSE
BATTLE RIVER
RED DEER
PALLISER
CALGARY
CROWFOOT
LETHBRIDGE
MEDICINE HAT

FEDERAL ELECTORAL DISTRICTS

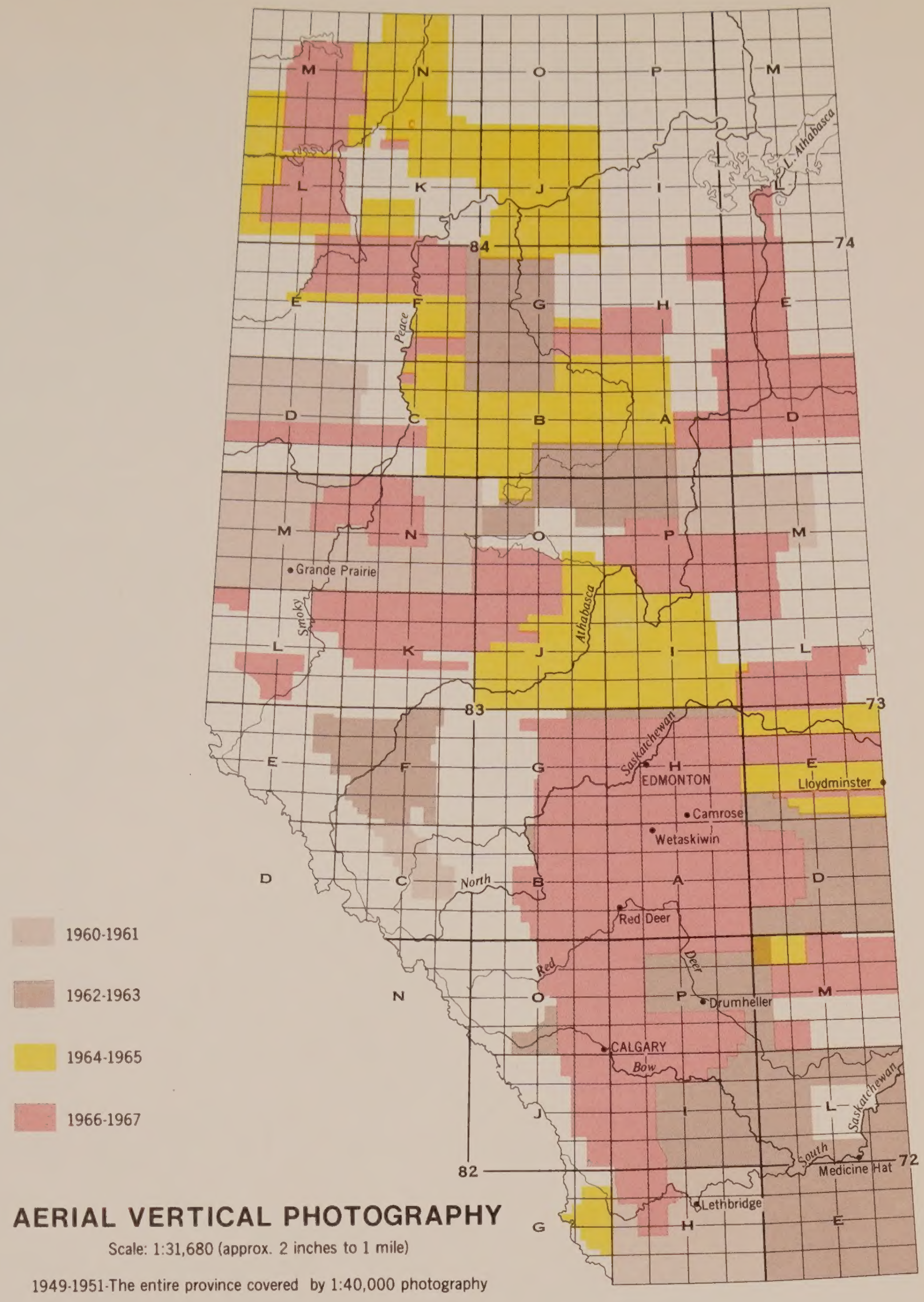

EDMONTON
EDMONTON NORTH WEST
EDMONTON NORTH-EAST
EDMONTON NORTH
EDMONTON NORWOOD
EDMONTON
JASPER PLACE
EDMONTON WEST
EDMONTON CENTRE
STRATHCONA EAST
STRATHCONA CENTRE
STRATHCONA WEST
STRATHCONA SOUTH
CALGARY
CALGARY BOWNESS
CALGARY QUEEN'S PARK
CALGARY NORTH
CALGARY
CALGARY WEST
CALGARY CENTRE
CALGARY VICTORIA PARK
EAST
CALGARY
CALGARY SOUTH
GLENMORE
DUNVEGAN
PEACE RIVER
LAC LA BICHE
SPIRIT RIVER
GROUARD
GRANDE PRAIRIE
ATHABASCA
BONNYVILLE
PEMBINA
LAC STE. ANNE
REDWATER
ST. ALBERT
WILLINGDON-TWO HILLS
ST. PAUL
EDSON
EDMONTON
STONY PLAIN
CLOVER BAR
VEGREVILLE-BRUCE
ALEXANDRA
VERMILION
LEDUC
WETASKIWIN
CAMROSE
PONOKA
SEDGEWICK
WAINWRIGHT
ROCKY MOUNTAIN HOUSE
LACOMBE
STETTLER
RED DEER
CORONATION
OLDS-DIDSBURY
THREE HILLS
HAND HILLS-ACADIA
BANFF-COCHRANE
CALGARY
DRUMHELLER-GLEICHEN
OKOTOKS-HIGH RIVER
BOW VALLEY-EMPRESS
LITTLE BOW
MEDICINE HAT
PINCHER CREEK-CROWSNEST
MACLEOD
LETHBRIDGE
TABER
CYPRESS
CARDSTON
WARNER

PROVINCIAL ELECTORAL DIVISIONS


1950-1952
1953-1954
1957-1958
1959-1960
1961-1962
Grande Prairie
EDMONTON
Camrose
Wetaskiwin
Lloydminster
Red Deer
Drumheller
CALGARY
Lethbridge
Medicine Hat
L. Athabasca
Peace
Smoky
Athabasca
North Saskatchewan
Red Deer
Bow
South Saskatchewan
84
83
82
74
73
72

AERIAL VERTICAL PHOTOGRAPHY

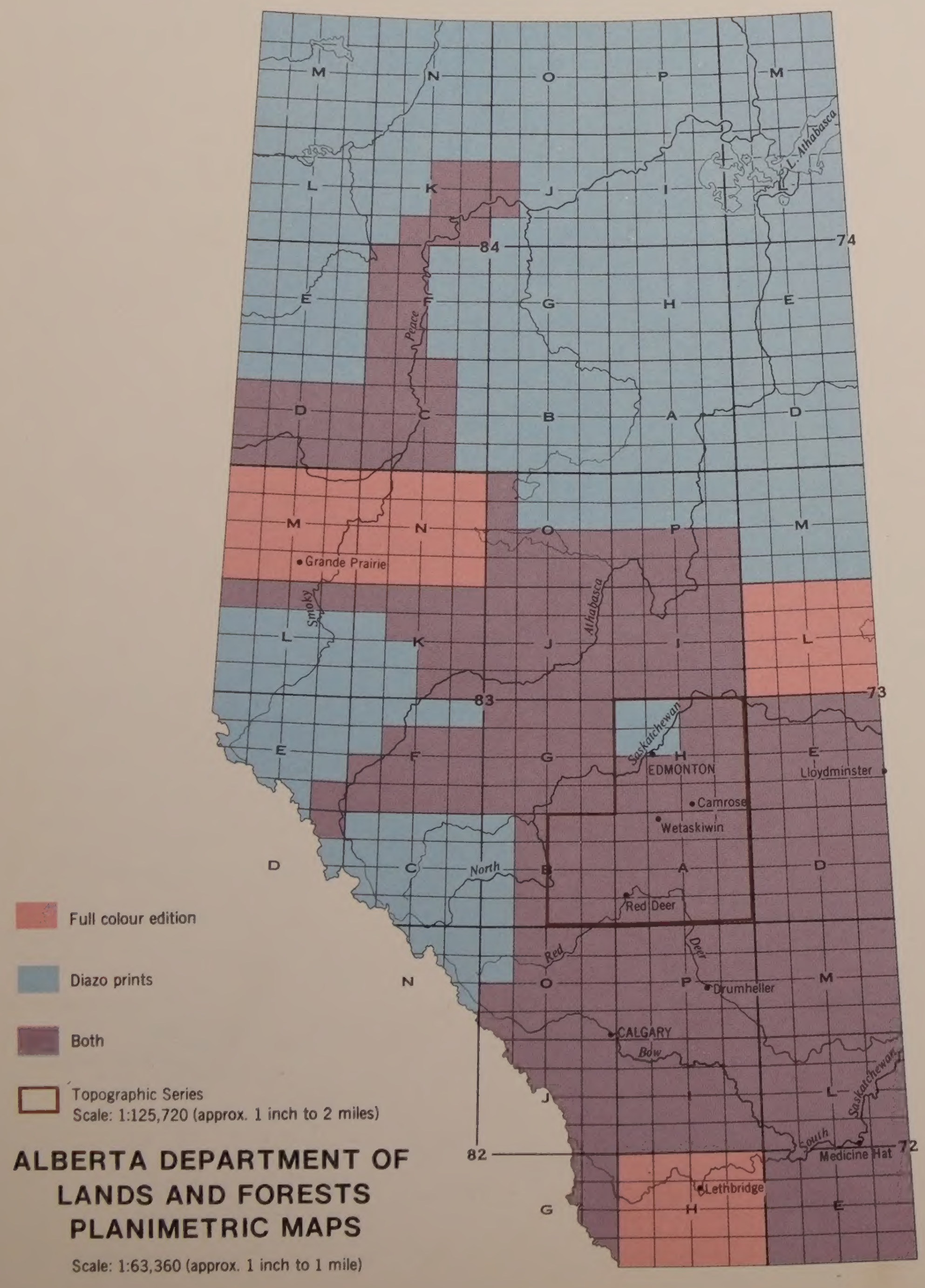
Scale: 1:15,840 (approx. 4 inches to 1 mile)


1960-1961
1962-1963
1964-1965
1966-1967
Grande Prairie
EDMONTON
Camrose
Wetaskiwin
Lloydminster
Red Deer
Drumheller
CALGARY
Lethbridge
Medicine Hat
L. Athabasca
Peace
Smoky
Athabasca
North
Red
Deer
Bow
South
Saskatchewan
84
83
82
74
73
72

AERIAL VERTICAL PHOTOGRAPHY

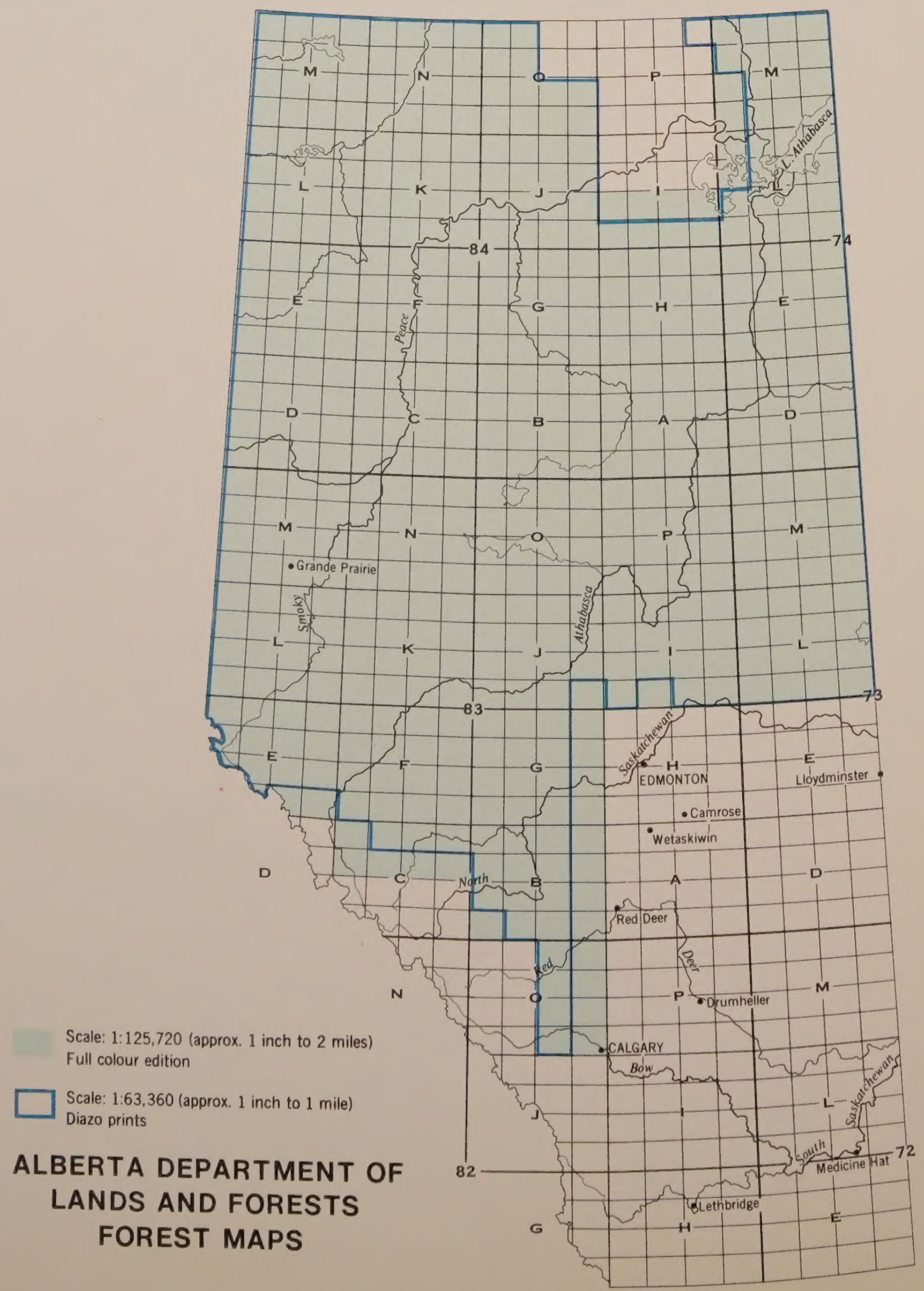
Scale: 1:31,680 (approx. 2 inches to 1 mile)

1949-1951-The entire province covered by 1:40,000 photography

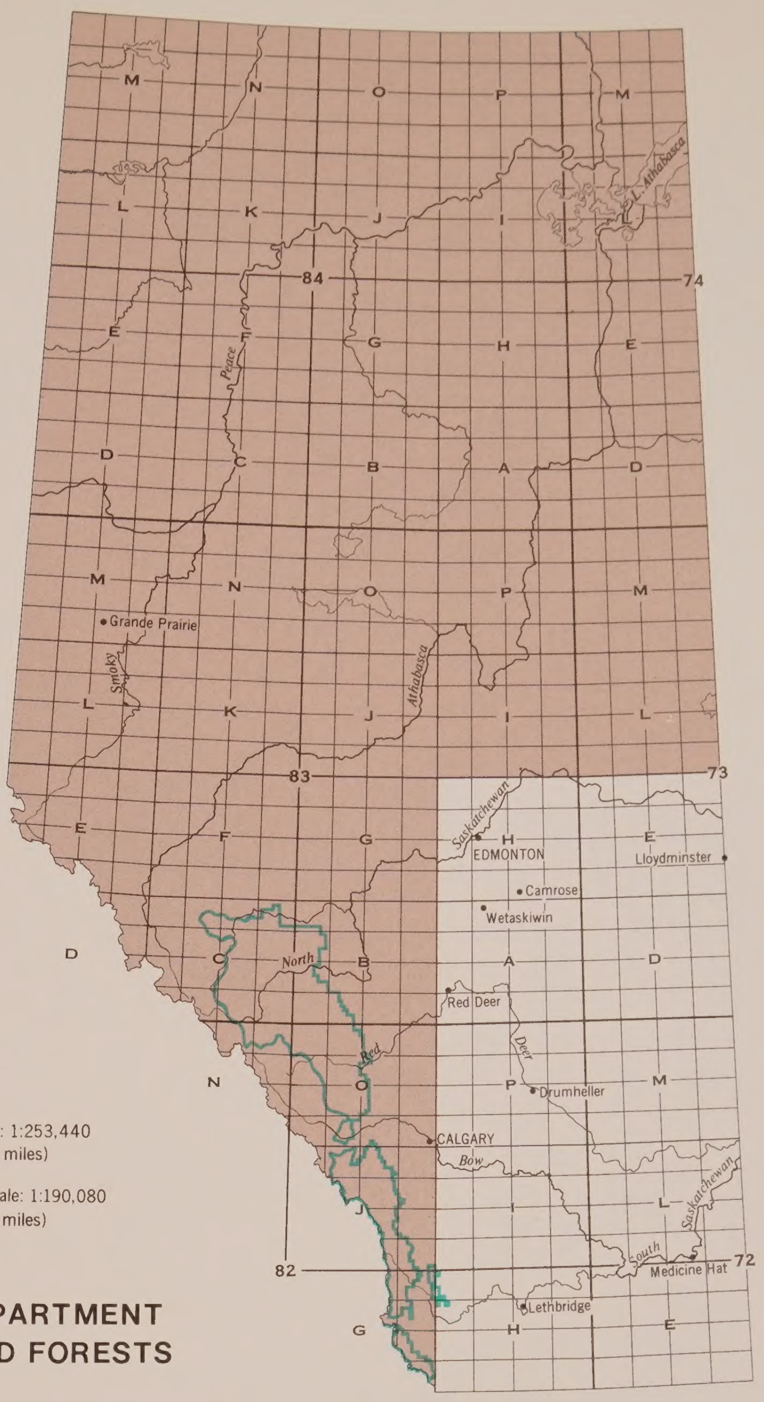

Full colour edition
Diazo prints
Both
Topographic Series
Scale: 1:125,720 (approx. 1 inch to 2 miles)
Grande Prairie
EDMONTON
Camrose
Wetaskiwin
Lloydminster
Red Deer
Drumheller
CALGARY
Lethbridge
Medicine Hat
L. Athabasca
Peace
Smoky
Athabasca
North
Red
Deer
Bow
South
Saskatchewan
84
83
82
74
73
72

ALBERTA DEPARTMENT OF LANDS AND FORESTS PLANIMETRIC MAPS

Scale: 1:63,360 (approx. 1 inch to 1 mile)


Scale: 1:125,720 (approx. 1 inch to 2 miles)
Full colour edition
Scale: 1:63,360 (approx. 1 inch to 1 mile)
Diazo prints
Grande Prairie
EDMONTON
Camrose
Wetaskiwin
Lloydminster
Red Deer
Drumheller
CALGARY
Lethbridge
Medicine Hat
L. Athabasca
Peace
Smoky
Athabasca
North
Red
Deer
Bow
South
Saskatchewan
84
83
82
74
73
72

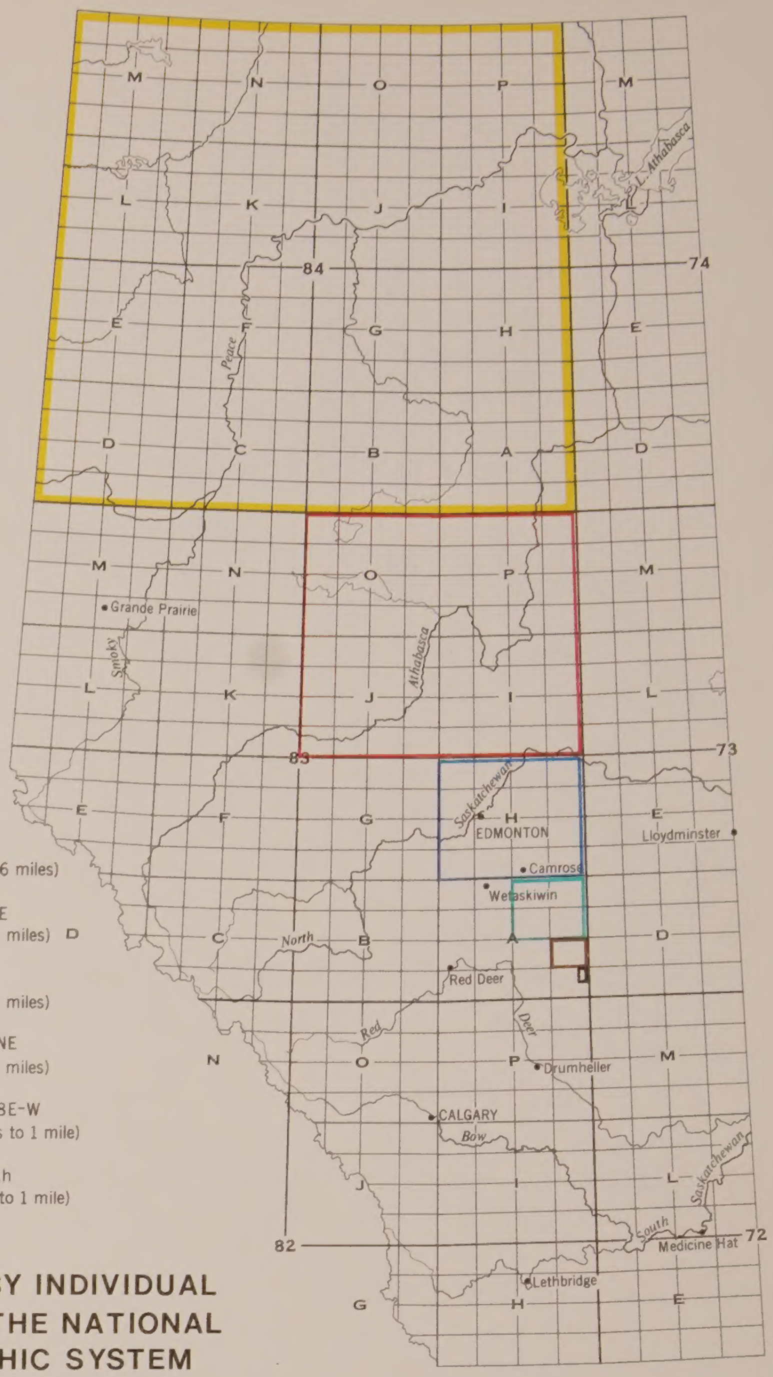
ALBERTA DEPARTMENT OF LANDS AND FORESTS FOREST MAPS


M
N
O
P
M
L
K
J
I
L. Athabasca
84
74
E
F
G
H
E
Peace
D
C
B
A
D
M
N
O
P
M
Grande Prairie
Smoky
L
K
J
I
L
Athabasca
83
73
E
F
G
H
E
Saskatchewan
EDMONTON
Lloydminster
Camrose
Wetaskiwin
D
C
B
A
D
North
Red Deer
Deer
Red
N
O
P
M
Drumheller
CALGARY
Bow
J
I
L
Saskatchewan
82
South
Medicine Hat
72
Lethbridge
G
H
E

🟫 Access series Scale: 1:253,440 (approx. 1 inch to 4 miles)

☐ Forest Reserves Scale: 1:190,080 (approx. 1 inch to 3 miles)

ALBERTA DEPARTMENT
OF LANDS AND FORESTS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Lloydminster
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Red Deer
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Drumheller
CALGARY
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Saskatchewan
82
South
Medicine Hat
72
Lethbridge
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Scales:

— 1:1,000,000 84 (approx. 1 inch to 16 miles)

— 1:500,000 83/NE (approx. 1 inch to 8 miles)

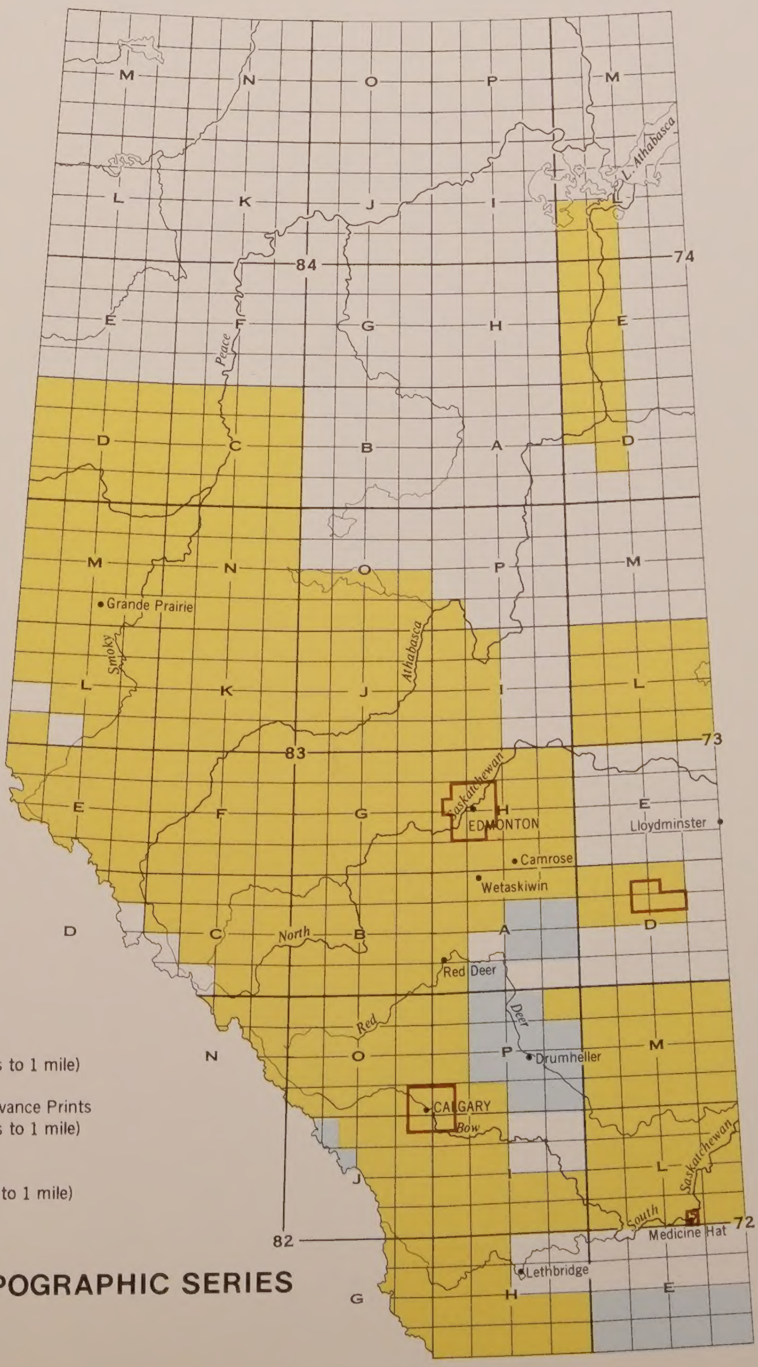
— 1:250,000 83H (approx. 1 inch to 4 miles)

— 1:125,000 83A/NE (approx. 1 inch to 2 miles)

— 1:50,000 83A/8E-W (approx. 1.25 inches to 1 mile)

— 1:25,000 83A/1h (approx. 2.5 inches to 1 mile)

COVERAGE BY INDIVIDUAL
SHEETS OF THE NATIONAL
TOPOGRAPHIC SYSTEM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CALGARY
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Saskatchewan
82
South
Medicine Hat
72
Lethbridge
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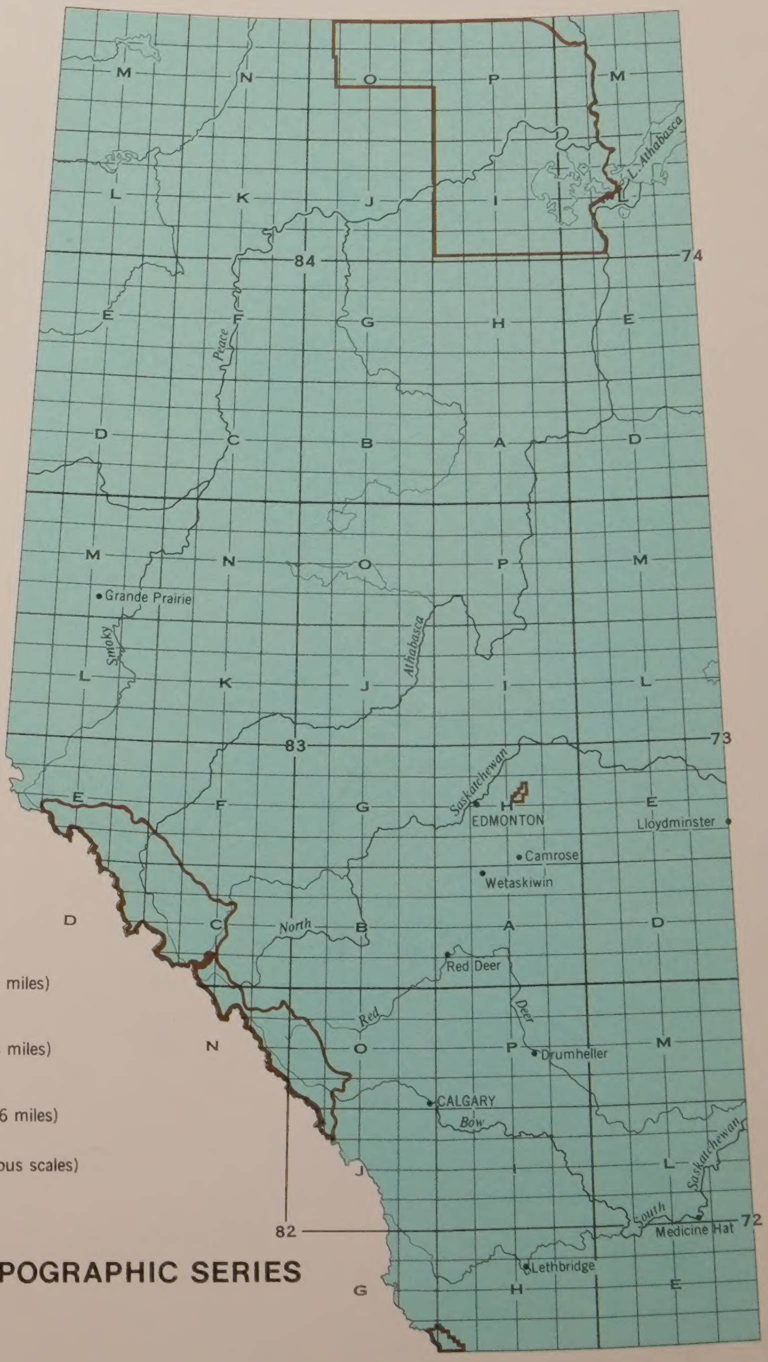
🟨 Scale: 1:50,000 (approx. 1.25 inches to 1 mile)

▨ Scale: 1:50,000 Advance Prints (approx. 1.25 inches to 1 mile)

☐ Scale: 1:25,000 (approx. 2.5 inches to 1 mile)

NATIONAL TOPOGRAPHIC SERIES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Red Deer
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CALGARY
Bow
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82
South
Medicine Hat
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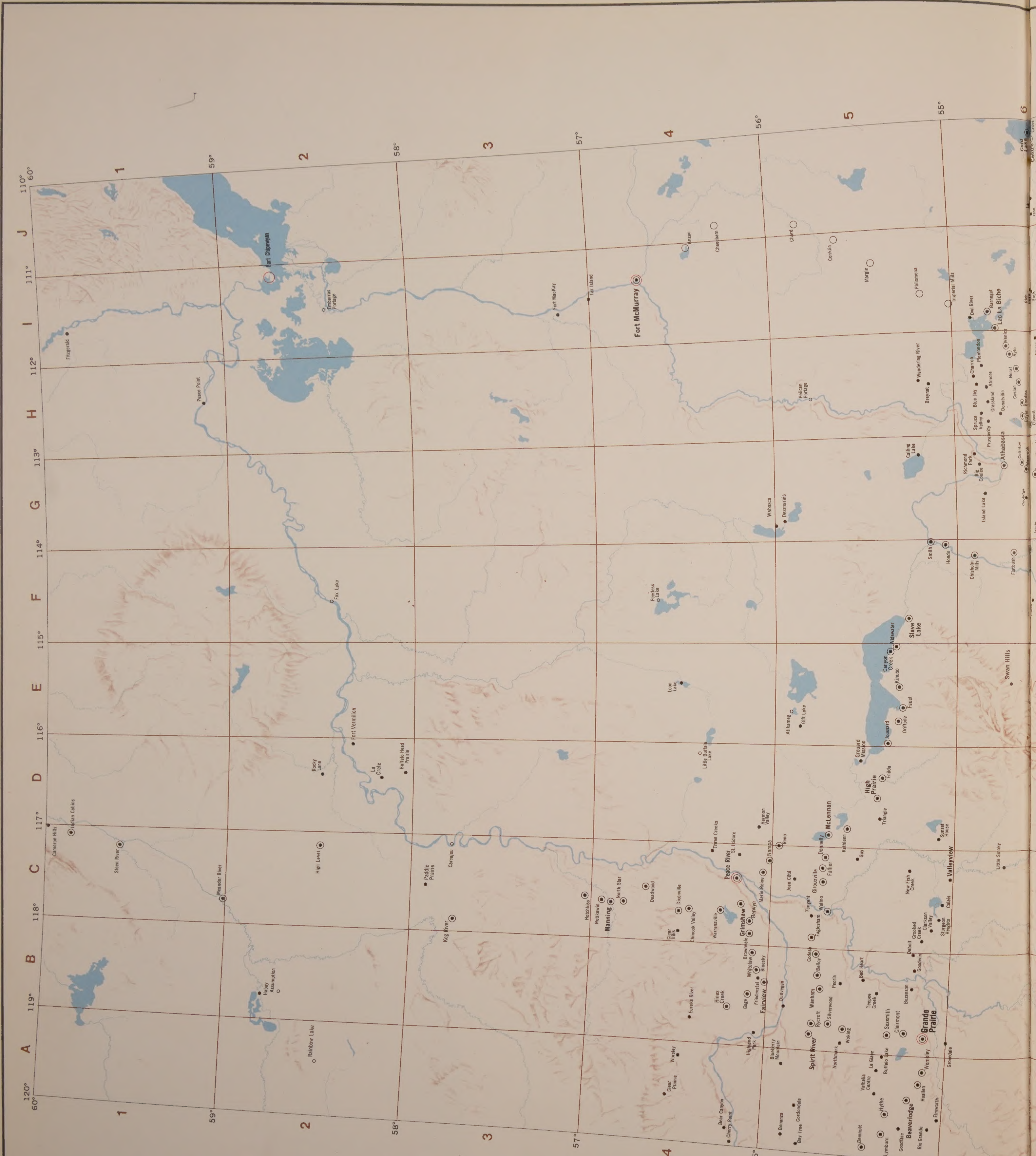
🟦 Scale: 1:250,000 (approx. 1 inch to 4 miles)

🟦 Scale: 1:500,000 (approx. 1 inch to 8 miles)

🟦 Scale: 1:1,000,000 (approx. 1 inch to 16 miles)

☐ National Parks (various scales)

NATIONAL TOPOGRAPHIC SERIES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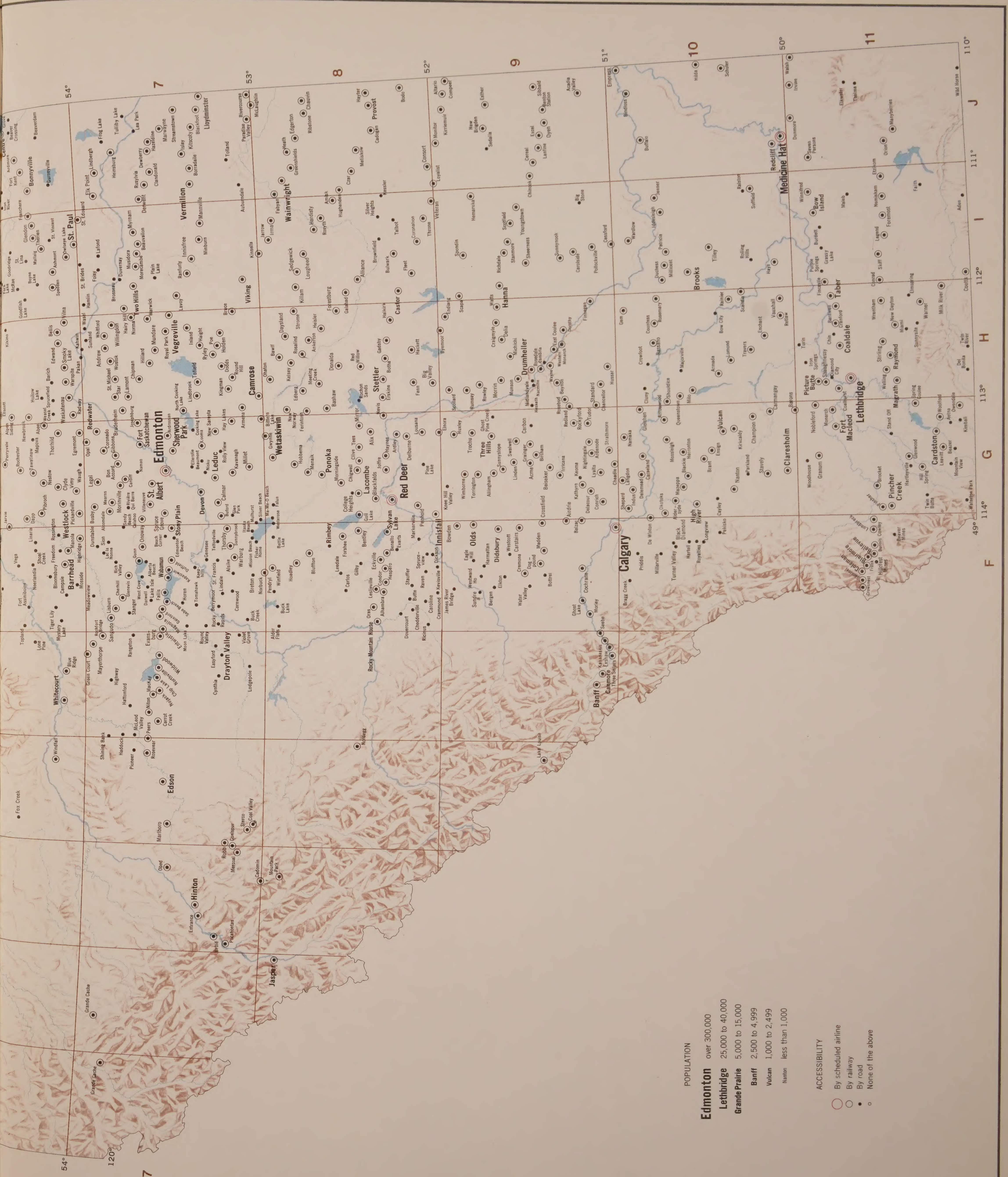
Fitzgerald
Fort Chipewyan
Embarras Portage
Peace Point
Fort MacKay
Tar Island
Fort McMurray
Anzac
Cheecham
Chard
Conklin
Margie
Philomena
Imperial Mills
Owl River
Barrenat
Lac La Biche
Wandering River
Breynat
Pelican Portage
Calling Lake
Athabasca
Wabasca
Desmarais
Smith
Hondo
Chisholm Mills
Peerless Lake
Slave Lake
Sawridge
Canyon Creek
Kinuso
Faust
Driftpile
Joussard
Swan Hills
Loon Lake
Atikameg
Gift Lake
Little Buffalo Lake
Grouard Mission
High Prairie
Enilda
Triangle
Sunset House
Valleyview
Little Smoky
Fox Lake
Fort Vermilion
La Crete
Buffalo Head Prairie
Rocky Lane
High Level
Paddle Prairie
Carcajou
Keg River
Cameron Hills
Indian Cabins
Steen River
Meander River
Habay
Assumption
Rainbow Lake
Hotchkiss
Notikewin
Manning
North Star
Deadwood
Dixonville
Chinook Valley
Clear Hills
Warrensville
Three Creeks
St. Isidore
Peace River
Harmon Valley
Reno
Nampa
Marie-Reine
Jean Côté
McLennan
Donnelly
Falher
Kathleen
Guy
Girouxville
Tangent
Eaglesham
Wabno
Grimshaw
Berwyn
Brownvale
Whitelaw
Bluesky
Fairview
Friedenstal
Dunvegan
Codesa
Belloy
Wanham
Rycroft
Spirit River
Silverwood
Woking
Peoria
Bad Heart
Teepee Creek
Sexsmith
Clairmont
Bezanson
Debolt
Crooked Creek
Goodwin
Clarkson Valley
Sturgeon Heights
New Fish Creek
Calais
Grande Prairie
Hines Creek
Gage
Eureka River
Worsley
Clear Prairie
Highland Park
Blueberry Mountain
Bear Canyon
Cherry Point
Bonanza
Bay Tree
Gordondale
Northmark
La Glace
Valhalla Centre
Buffalo Lake
Wembley
Hythe
Huallen
Beaverlodge
Goodfare
Lymburn
Demmitt
Rio Grande
Elmworth
Grovedale
Richmond Park
Big Coulee
Island Lake
Spruce Valley
Blue Jay
Prosperity
Grassland
Donatville
Charron
Plamondon
Atmore
Venice
Hylo
Normandeau
Flatbush


POPULATION
Edmonton over 300,000
Lethbridge 25,000 to 40,000
Grande Prairie 5,000 to 15,000
Banff 2,500 to 4,999
Vulcan 1,000 to 2,499
Nanton less than 1,000
ACCESSIBILITY
By scheduled airline
By railway
By road
None of the above
54°
53°
52°
51°
50°
49°
120°
114°
113°
112°
111°
110°
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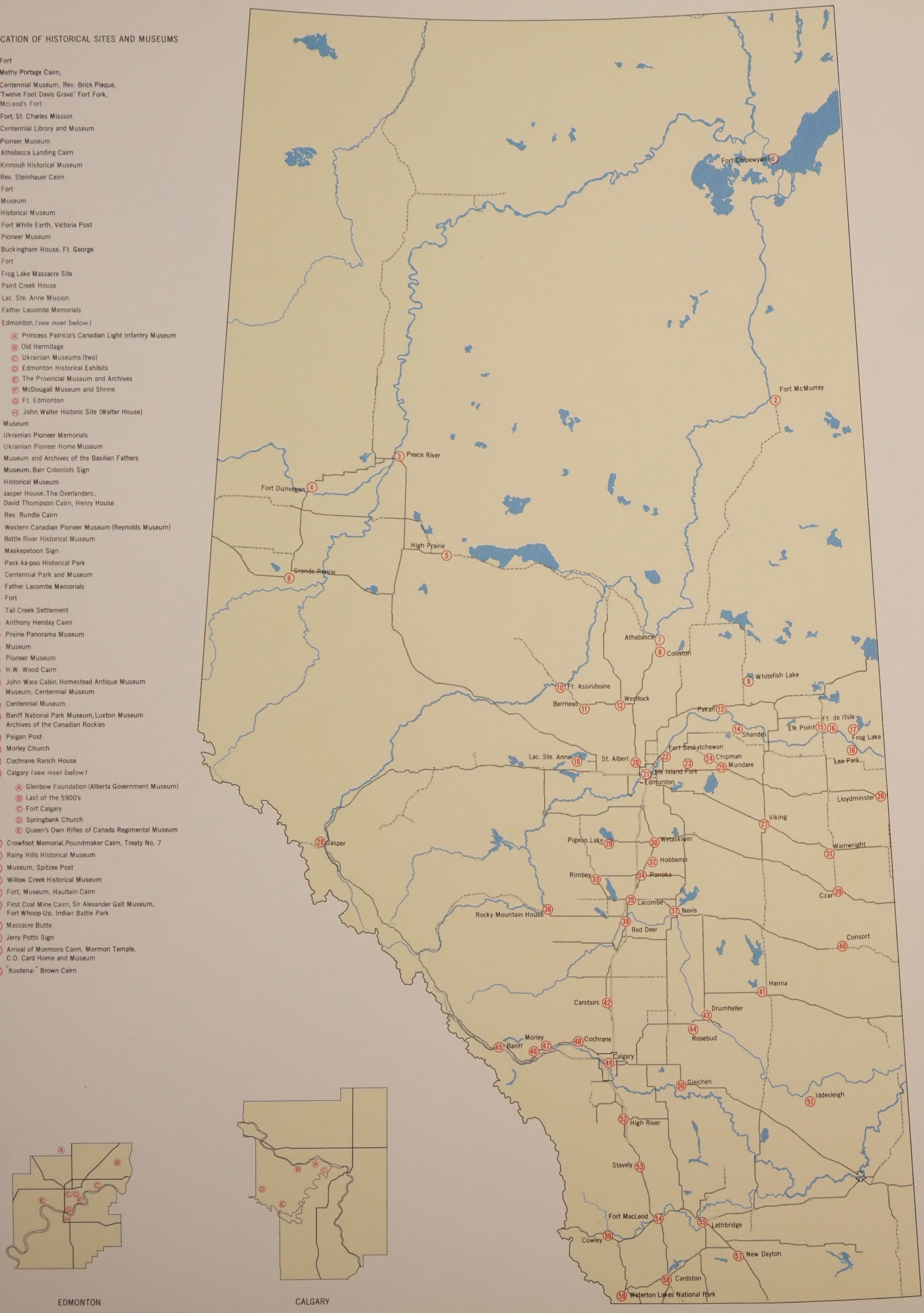
Edmonton
Calgary
Lethbridge
Medicine Hat
Red Deer
Camrose
Wetaskiwin
Lloydminster
Vegreville
Vermilion
Wainwright
Drumheller
Brooks
Hanna
Stettler
Ponoka
Lacombe
Leduc
St. Albert
Sherwood Park
Fort Saskatchewan
Stony Plain
Spruce Grove
Westlock
Barrhead
Whitecourt
Drayton Valley
Edson
Hinton
Jasper
Banff
Canmore
Olds
Didsbury
Innisfail
High River
Okotoks
Claresholm
Fort Macleod
Pincher Creek
Cardston
Magrath
Raymond
Taber
Coaldale
Picture Butte
Bow Island
Vulcan
Three Hills
St. Paul
Two Hills
Bonnyville
Rimbey
Sylvan Lake
Provost
Castor
Viking
Devon
Grande Cache
Fox Creek

LOCATION OF HISTORICAL SITES AND MUSEUMS

LOCATION OF HISTORICAL SITES AND MUSEUMS

① Fort
② Methy Portage Cairn,
③ Centennial Museum, Rev. Brick Plaque, "Twelve Foot Davis Grave" Fort Fork, McLeod's Fort
④ Fort, St. Charles Mission
⑤ Centennial Library and Museum
⑥ Pioneer Museum
⑦ Athabasca Landing Cairn
⑧ Kinnoull Historical Museum
⑨ Rev. Steinhauer Cairn
⑩ Fort
⑪ Museum
⑫ Historical Museum
⑬ Fort White Earth, Victoria Post
⑭ Pioneer Museum
⑮ Buckingham House, Ft. George
⑯ Fort
⑰ Frog Lake Massacre Site
⑱ Paint Creek House
⑲ Lac. Ste. Anne Mission
⑳ Father Lacombe Memorials
㉑ Edmonton, *(see inset below)*
  Ⓐ Princess Patricia's Canadian Light Infantry Museum
  Ⓑ Old Hermitage
  Ⓒ Ukrainian Museums (two)
  Ⓓ Edmonton Historical Exhibits
  Ⓔ The Provincial Museum and Archives
  Ⓕ McDougall Museum and Shrine
  Ⓖ Ft. Edmonton
  Ⓗ John Walter Historic Site (Walter House)
㉒ Museum
㉓ Ukrainian Pioneer Memorials
㉔ Ukrainian Pioneer Home Museum
㉕ Museum and Archives of the Basilian Fathers
㉖ Museum, Barr Colonists Sign
㉗ Historical Museum
㉘ Jasper House, The Overlanders, David Thompson Cairn, Henry House
㉙ Rev. Rundle Cairn
㉚ Western Canadian Pioneer Museum (Reynolds Museum)
㉛ Battle River Historical Museum
㉜ Maskepetoon Sign
㉝ Pask-ka-poo Historical Park
㉞ Centennial Park and Museum
㉟ Father Lacombe Memorials
㊱ Fort
㊲ Tail Creek Settlement
㊳ Anthony Henday Cairn
㊴ Prairie Panorama Museum
㊵ Museum
㊶ Pioneer Museum
㊷ H.W. Wood Cairn
㊸ John Ware Cabin, Homestead Antique Museum Museum, Centennial Museum
㊹ Centennial Museum
㊺ Banff National Park Museum, Luxton Museum Archives of the Canadian Rockies
㊻ Peigan Post
㊼ Morley Church
㊽ Cochrane Ranch House
㊾ Calgary *(see inset below)*
  Ⓐ Glenbow Foundation (Alberta Government Museum)
  Ⓑ Last of the 5900's
  Ⓒ Fort Calgary
  Ⓓ Springbank Church
  Ⓔ Queen's Own Rifles of Canada Regimental Museum
㊿ Crowfoot Memorial, Poundmaker Cairn, Treaty No. 7
(51) Rainy Hills Historical Museum
(52) Museum, Spitzee Post
(53) Willow Creek Historical Museum
(54) Fort, Museum, Haultain Cairn
(55) First Coal Mine Cairn, Sir Alexander Galt Museum, Fort Whoop-Up, Indian Battle Park
(56) Massacre Butte
(57) Jerry Potts Sign
(58) Arrival of Mormons Cairn, Mormon Temple, C.O. Card Home and Museum
(59) "Kootenai" Brown Cairn


Fort Chipewyan ①
Fort McMurray ②
③ Peace River
Fort Dunvegan ④
High Prairie ⑤
⑥ Grande Prairie
Athabasca ⑦
⑧ Colinton
⑨ Whitefish Lake
⑩ Ft. Assiniboine
Barrhead ⑪
⑫ Westlock
Pakan ⑬
⑭ Shandro
Elk Point ⑮
Ft. de l'Isle ⑯
⑰ Frog Lake
⑱ Lea Park
Lac. Ste. Anne ⑲
St. Albert ⑳
㉑ Elk Island Park
Edmonton
㉒ Fort Saskatchewan
㉓
㉔ Chipman
㉕ Mundare
Lloydminster ㉖
㉗ Viking
㉘ Jasper
Pigeon Lake ㉙
㉚ Wetaskiwin
Wainwright ㉛
㉜ Hobbema
Rimbey ㉝
㉞ Ponoka
㉟ Lacombe
Rocky Mountain House ㊱
㊲ Nevis
㊳ Red Deer
Czar ㊴
Consort ㊵
㊶ Hanna
Carstairs ㊷
㊸ Drumheller
㊹ Rosebud
㊺ Banff
Morley
㊻ ㊼
㊽ Cochrane
㊾ Calgary
㊿ Gleichen
(51) Iddesleigh
(52) High River
Stavely (53)
Fort MacLeod (54)
(55) Lethbridge
Cowley (56)
(57) New Dayton
(58) Cardston
(59) Waterton Lakes National Park
Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ Ⓕ Ⓖ Ⓗ
Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ

EDMONTON

CALGARY

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INDEX

This gazetteer is an alphabetical index of place-names, rivers and topographical features as shown in this ATLAS. Many of these entries are repeated on various maps throughout the ATLAS, but only one listing is given in the index.

Each place-name is followed by a descriptive term to define the feature (hill, hamlet, post office, creek, lake, etc.). In Alberta, a city is defined as a town with a population more than 6,000. In Alberta there are 9 cities, two of which (Calgary and Edmonton) are classified as metropolitan centres. A town is a populated place with a population of 700 or more with a town council of 6 councillors and a mayor. A village must have not less than 50 occupied dwellings and affairs are administered by three councillors, one of whom is chosen mayor. Summer villages are included with the villages and there are 19 in the province. The other populated places include hamlets, post offices and railway station.

Following the identification of the feature, the 1968 population is given in the case of a city, town or village. Population for the smaller settlements such as railway stations or hamlets has not been given.

The exact position of the place-name is shown by the latitude and longitude. The position of rivers is shown as the latitude and longitude at the confluence with a larger stream.

c.	city
co.	coulee
cr.	creek
h., hs.	hill, hills
ha.	hamlet
l., ls.	lake, lakes
mt., mts.	mountain, mountains

Position is also shown by the Township and Range System. Alberta lands are surveyed into square townships bounded by lines of longitude and chords to (i.e. subdivision of) parallels of latitude. Each township contains 36 sections and each of these contains as nearly one square mile as the convergence of meridians permits. Townships are numbered consecutively northerly from the International Boundary on the 49th parallel and lie in ranges numbered westward of the Fourth, Fifth and Sixth initial meridians which are located at west longitudes of 110°, 114° and 118° respectively. The 110° meridian forms the Alberta-Saskatchewan boundary.

Thus, a location such as 22-40-6-4 can be translated into a position within section 22, in township 40 and in range 6 and west of the 4th meridian.

The gazetteer gives a page number for each place-name and a 'grid reference'. This latter is a letter and a figure showing the map square where the name is to be found. The letters run from A (in the west) to J (in the east); the numbers begin with 1 in north and work southwards to 12.

Abbreviations have been necessary in the feature descriptions and are as follows:

p.o.	post office
r.	river
stn.	station
s.v.	summer village
t.	town
t.u.	town unincorporated
v.	village

157	ABEE, ha.	54°14′—113°02′	1-61-21-4	G-6
157	ACADIA VALLEY, ha.	51°08′—110°13′	27-25-2-4	J-9
157	ACME, v., 316	51°30′—113°30′	19-29-25-4	G9
22	ADAIR, cr.	59°05′—117°43′		C-1
157	ADEN, p.o.	49°02′—111°19′	8-1-10-4	I-11
157	AETNA, ha.	49°08′—113°15′	14-2-25-4	G-11
156	AIRDRIE, v., 850	51°18′—114°02′	12-27-1-5	F-9
22	AKUINU, r.	54°53′—114°21′		F-6
	ALBERTA, see Mt. Alberta			
157	ALBERTA BEACH, s.v., 143	53°40′—114°21′	22-54-3-5	F-7
157	ALCOMDALE, ha.	54°54′—113°50′	5-57-26-4	G-7
157	ALDER FLATS, ha.	52°56′—114°57′	4-46-7-5	F-8
157	ALDERSYDE, ha.	50°41′—113°52′	7-20-28-4	G-10
23	ALEXANDRA, r.	52°05′—116°55′		D-8
22	ALGAR, l.	56°35′—112°10′		H-4
22	ALGAR, r.	56°33′—112°11′		H-4
157	ALHAMBRA, ha.	52°20′—114°40′	9-39-5-5	F-8
22	ALICE, cr.	58°18′—113°12′		G2
157	ALIX, v., 636	52°24′—113°11′	36-39-23-4	G-8
23	ALKALI, cr.	50°52′—110°30′		J-10
22	ALLAN, r.	54°55′—114°47′		F-6
157	ALLIANCE, v., 291	52°26′—111°47′	15-40-13-4	I-8
157	ALLINGHAM, stn.	51°41′—113°35′	34-31-26-4	G-9
157	ALPEN SIDING, p.o.	54°26′—112°55′	4-63-20-4	H-6
157	ALSIKE, p.o.	53°11′—114°29′	36-48-4-5	F7
157	ALTARIO, ha.	51°55′—110°09′	13-34-2-4	J-9
	ALYMER, see Mt. Alymer			
22	AMBER, r.	58°52′—118°50′		B-2
23	AMISK, r.	54°27′—111°46′		I-6
157	AMISK, v., 134	52°33′—111°04′	26-41-8-4	I-7
157	ANDREW, v., 508	53°53′—112°21′	32-56-16-4	H-7
22	ANDREW, l.	59°55′—110°05′		J-1
157	ANKERTON, p.o.	52°44′—112°19′	25-43-17-4	H-8
156	ANZAC, ha.	56°27′—111°02′	16-86-7-4	I-4
22	ARCH, l.	59°51′—110°38′		I-1
157	ARDENODE, p.o.	51°08′—113°25′	21-25-25-4	G-9
157	ARDLEY, stn.	52°16′—113°14′	16-38-23-4	G-8
157	ARDMORE, ha.	54°20′—110°29′	1-62-4-4	J-6
157	ARDROSSAN, ha.	53°33′—113°08′	2-53-22-4	G-7
157	ARMADA, stn.	50°25′—112°46′	12-17-21-4	H-10
157	ARMENA, ha.	53°07′—112°57′	12-48-21-4	H-7
157	ARROWWOOD, v., 172	50°44′—113°09′	32-20-23-4	G-10
157	ASHMONT, ha.	54°08′—111°34′	27-59-11-4	I-6
22	ASSINEAU, r.	54°24′—115°12′		E-5
	ASSINIBOINE, see Mt. Assiniboine			
156	ASSUMPTION, ha.	58°40′—118°36′	12-112-5-6	B-2
23	ASTORIA, r.	52°48′—118°02′		B-8
22	ATHABASCA, l.	59°05′—110°00′		J-2
	ATHABASCA, see Mt. Athabasca			
22	ATHABASCA, r.	58°40′—110°50′		J-2
156	ATHABASCA, t., 1,768	54°43′—113°17′	20-66-22-4	G-6
156	ATIKAMEG, ha.	55°56′—115°39′	8-80-11-5	E-5
23	ATIMOSWE, cr.	53°52′—110°55′		J-7
156	ATMORE, ha.	54°48′—112°33′	20-67-17-4	H-6

156	BAD HEART, p.o.	55°32′—118°18′	17-75-2-6	B-5
22	BAD HEART, r.	55°33′—118°12′		B-5
	BALL, see Mt. Ball			
157	BALZAC, ha.	51°13′—114°01′	13-26-1-5	F-9
157	BANFF, t.u., 2,896	51°10′—115°34′	25-12-5	D-9
22	BAPTISTE, l.	54°45′—113°33′		G-6
23	BAPTISTE, r.	52°21′—115°05′		E-8
157	BARICH, p.o.	54°12′—112°38′	16-60-18-4	H-6
22	BARIL, l.	58°46′—111°42′		I-2
	BARNARD, see Mt. Barnard			
156	BARNEGAT, stn.	54°47′—111°53′	18-67-12-4	I-6
157	BARNWELL, p.o.	49°46′—112°15′	28-9-17-4	H-11
157	BARONS, s.v., 260	50°00′—113°05′	16-12-23-4	G-10
156	BARRHEAD, t., 2,718	54°08′—114°24′	20-59-3-5	F-6
22	BARROW, l.	59°15′—111°13′		I-1
157	BASHAW, t., 754	52°35′—112°58′	4-42-21-4	H-8
22	BAT, l.	56°18′—114°57′		F-4
23	BATTLE, l.	52°58′—114°11′		F-8
23	BATTLE, r.	52°43′—108°15′		I-8, G-8
157	BAWLF, s.v., 220	52°56′—112°28′	31-45-17-4	H-8
156	BAY TREE, stn.	55°49′—119°54′	2-79-13-6	A-5
157	BEACH CORNER, p.o.	53°32′—114°07′	5-53-1-5	F-7
22	BEAR, cr.	55°17′—119°02′		A-5
22	BEAR, r.	58°18′—115°25′		E-2
22	BEAR, r.	55°05′—118°28′		B-5
156	BEAR CANYON, p.o.	56°13′—119°49′	27-83-12-6	A-4
22	BEARHEAD, cr.	56°02′—116°58′		D-5
23	BEARHILLS, l.	52°56′—113°37′		G-8
22	BEATTY, l.	59°52′—118°03′		B-1
157	BEAUMONT, ha.	53°21′—113°25′	26-50-24-4	G-7
157	BEAUVALLON, ha.	53°40′—111°22′	14-54-10-4	I-7
23	BEAVER, cr.	49°39′—113°42′		G-11
22	BEAVER, l.	54°43′—111°50′		I-6
23	BEAVER, r.	54°15′—110°00′		J-6
157	BEAVER CROSSING, stn.	54°21′—110°13′	14-62-2-4	J-6
22	BEAVER INDIAN, r.	59°03′—113°10′		G-1
157	BEAVER MINES, ha.	49°27′—114°12′	10-6-2-5	F-11
22	BEAVER RANCH, cr.	58°26′—115°35′		E-2
157	BEAVERDAM, p.o.	54°12′—110°18′	24-60-3-4	J-6
23	BEAVERHILL, cr.	53°54′—112°57′		H-7
23	BEAVERHILL, l.	53°27′—112°32′		H-7
22	BEAVERLODGE, r.	55°03′—119°22′		A-5
156	BEAVERLODGE, t., 1,122	55°13′—119°26′	2-72-10-6	A-5
22	BEAVERTAIL, cr.	55°20′—119°37′		A-5
157	BEAZER, ha.	49°07′—113°29′	13-2-27-4	G-11
22	BEDE, cr.	58°24′—116°53′		D-2
157	BEISEKER, v., 404	51°23′—113°32′	12-28-26-4	G-9
157	BELLEVUE, v., 1,174	49°35′—114°22′	20-7-3-5	F-11
157	BELLIS, ha.	54°09′—112°09′	34-59-15-4	H-6
156	BELLOY, ha.	55°45′—118°15′	15-78-2-6	B-5
23	BELLY, r.	49°46′—113°02′		G-11
157	BENALTO, ha.	52°18′—114°17′	31-38-2-5	F-8
157	BENTLEY, v., 643	52°48′—114°04′	27-40-1-5	F-8
157	BENTON STATION, ha.	51°21′—110°22′	34-27-3-4	J-9
157	BERGEN, p.o.	51°42′—114°38′	3-32-5-5	F-9
23	BERLAND, r.	54°00′—116°50′		D-6
23	BERRY, cr.	50°50′—111°37′		I-10
157	BERRYMOOR, stn.	53°17′—114°45′	3-50-6-5	F-7
156	BERWYN, v., 446	56°09′—117°44′	31-82-24-5	C-4
157	BEYNON, p.o.	51°20′—112°47′	29-27-20-4	H-9
156	BEZANSON, p.o.	55°14′—118°22′	2-72-3-6	B-5
23	BIG, l.	53°27′—113°42′		G-7
156	BIG COULEE, p.o.	54°53′—113°17′	10-68-22-4	G-6
22	BIG MOUNTAIN, cr.	55°04′—118°40′		B-5
157	BIG STONE, stn.	51°12′—111°12′	34-25-9-4	I-9
157	BIG VALLEY, v., 378	52°02′—112°46′	26-35-20-4	H-8
157	BINDLOSS, p.o.	50°52′—110°16′	19-22-2-4	J-10
2	BIRCH, hs.	55°39′—118°15′		B-5
22	BIRCH, l.	56°23′—110°23′		J-4
23	BIRCH, l.	53°19′—111°35′		I-7
2	BIRCH, mts.	57°30′—113°10′		G-3, H-3
22	BIRCH, r.	58°35′—112°17′		G-2
157	BIRCHAM, stn.	51°27′—112°25′	3-29-25-4	G-9
22	BISON, l.	57°13′—116°10′		D-3
22	BISTCHO, l.	59°45′—118°50′		B-1
23	BITTERN, l.	53°03′—113°05′		G-7
157	BITTERN LAKE, v., 83	53°01′—113°03′	36-46-22-4	G-7
157	BLACK DIAMOND, t., 878	50°42′—114°14′	8-20-2-5	F-10
157	BLACKFALDS, v., 779	52°23′—113°47′	26-39-27-4	G-8
23	BLACKFOOT, cr.	53°01′—110°00′		J-7
157	BLACKFOOT, ha.	53°17′—110°10′	1-50-2-4	J-7
157	BLACKIE, v., 148	50°36′—113°37′	13-19-27-4	G-10
23	BLACKSTONE, r.	52°50′—116°07′		D-8
157	BLAIRMORE, t., 1,791	49°36′—114°26′	35-7-4-5	F-11
23	BLINDMAN, r.	52°22′—113°46′		G-8
23	BLOOD INDIAN, cr.	50°55′—111°03′		I-10
157	BLOOMSBURY, p.o.	54°13′—114°27′	24-60-4-5	F-6
23	BLUE, cr.	53°20′—118°39′		B-7
156	BLUE JAY, p.o.	54°53′—112°31′	16-68-17-4	H-6
157	BLUE RIDGE, ha.	54°08′—115°22′	26-59-10-5	E-6
156	BLUEBERRY MTN., p.o.	55°56′—119°09′	10-80-8-6	A-5
156	BLUESKY, ha.	56°04′—118°14′	33-81-2-6	B-4
157	BLUFFTON, ha.	52°45′—114°17′	31-43-2-5	F-8
22	BOCQUENE, l.	59°28′—111°07′		I-1
22	BOCQUENE, r.	59°31′—111°26′		I-1
157	BODO, ha.	52°09′—110°05′	4-37-1-4	J-8
22	BOHN, l.	55°54′—110°41′		J-5
22	BOLTON, cr.	58°17′—113°46′		G-2
157	BON ACCORD, v., 203	53°50′—113°25′	18-56-23-4	G-7
156	BONANZA, p.o.	55°55′—119°49′	9-80-12-6	A-5
156	BONDISS, stn.	54°36′—112°42′	5-65-18-4	H-6
157	BONNYVILLE, t., 2,322	54°16′—110°44′	7-61-5-4	J-6
22	BOONE, cr.	55°40′—119°53′		A-5
157	BORRADAILE, stn.	53°21′—110°42′	29-50-5-4	J-7
22	BOTHA, r.	57°17′—117°52′		C-3
157	BOTHA, v., 130	52°18′—112°32′	33-38-18-4	H-8
157	BOTTREL, p.o.	51°25′—114°30′	21-28-4-5	F-9
23	BOW, r.	49°51′—111°41′		I-11
157	BOW CITY, p.o.	50°26′—112°14′	14-17-17-4	H-10
157	BOW ISLAND, t., 1,160	49°52′—111°22′	36-10-11-4	I-11
157	BOWDEN, v., 611	51°55′—114°02′	23-34-1-5	F-9
22	BOYER, r.	58°27′—116°02′		D-2
156	BOYLE, v., 466	54°35′—112°49′	4-65-19-4	H-6
157	BRAGG CREEK, ha.	50°57′—114°35′	12-23-5-5	F-10
157	BRANT, ha.	50°31′—113°30′	16-18-26-4	G-10
	BRAZEAU, see Mt. Brazeau			
23	BRAZEAU, reservoir	53°00′—115°40′		E-8
23	BRAZEAU, r.	52°56′—115°12′		E-8
157	BRETON, v., 447	53°07′—114°28′	2-48-4-5	F-7
23	BREWSTER, cr.	52°38′—115°22′		E-8
23	BREWSTER, cr.	51°09′—115°40′		E-9
156	BREYNAT, p.o.	55°08′—112°28′	13-71-17-4	H-5
157	BROCKET, ha.	49°34′—113°44′	8-7-28-4	G-11
157	BROOKS, t., 3,517	50°35′—111°53′	32-18-14-4	I-10
157	BROSSEAU, p.o.	53°47′—111°41′	3-56-12-4	I-7
23	BROWN, cr.	52°43′—116°16′		D-8
157	BROWNFIELD, p.o.	52°19′—111°26′	5-39-10-4	I-8
157	BRUDERHEIM, v., 284	53°47′—112°56′	32-55-20-4	H-7
157	BRULE, ha.	53°17′—117°53′	10-50-27-5	C-7
22	BUCHANAN, cr.	56°53′—117°14′		C-4
23	BUCK, l.	52°57′—114°46′		F-8
157	BUCK CREEK, ha.	53°06′—114°56′	36-47-7-5	F-7
157	BUCK LAKE, ha.	52°57′—114°47′	11-46-6-5	F-8
23	BUCKLAKE, cr.	53°15′—114°43′		F-7
22	BUCKTON, cr.	58°18′—111°55′		I-2
22	BUFFALO, cr.	56°32′—112°36′		H-4
23	BUFFALO, l.	52°27′—112°54′		H-8
157	BUFFALO, p.o.	50°48′—110°40′	30-21-5-4	J-10
22	BUFFALO, r.	60°00′—114°30′		F-1
22	BUFFALO, r.	57°50′—117°01′		D-3
156	BUFFALO LAKE, p.o.	55°23′—119°01′	4-74-7-6	A-5
2	BUFFALO HEAD, hs.	57°25′—115°55′		D-3, E-3
156	BUFFALO HEAD PRAIRIE, ha.	58°04′—116°21′		D-2
157	BUFORD, ha.	53°15′—113°57′	19-49-27-4	G-7
23	BULLPOUND, cr.	51°04′—111°58′		I-9
157	BULWARK, ha.	52°15′—111°35′	1-38-12-4	I-8
157	BURDETT, v., 197	49°50′—111°32′	23-10-12-4	I-11
157	BURMIS, ha.	49°33′—114°17′	13-7-3-5	F-11
22	BURNT, ls.	57°17′—113°55′		G-3
22	BURNT, r.	57°42′—114°29′		F-3
23	BURNT TIMBER, cr.	51°38′—115°06′		E-9
157	BUSBY, ha.	53°57′—113°53′	24-57-27-4	G-7
22	BUSHE, r.	58°26′—116°48′		D-2
157	BUTTE, stn.	52°11′—114°44′	13-37-6-5	F-8
157	BYEMOOR, ha.	51°58′—112°16′	6-35-16-4	H-9

22	CACHE, cr.	57°39′—116°50′		D-3
23	CACHE, l.	54°06′—111°47′		I-6
157	CADOGAN, ha.	52°19′—110°27′	1-39-4-4	J-8
157	CADOMIN, ha.	53°02′—117°20′	5-47-23-5	C-7
22	CADOTTE, l.	56°26′—116°23′		D-4
22	CADOTTE, r.	56°43′—117°10′		D-4
157	CALAHOO, ha.	53°43′—113°58′	31-54-27-4	G-7
156	CALAIS, p.o.	55°04′—117°32′	14-70-24-5	C-5
157	CALGARY, c., 354,856	51°03′—114°05′	24-1-5	F-10
22	CALLING, l.	55°15′—113°20′		G-5
22	CALLING, r.	55°05′—112°53′		H-5
156	CALLING LAKE, p.o.	55°15′—113°12′	20-72-21-4	G-5
157	CALMAR, t., 605	53°16′—113°49′	25-49-27-4	G-7
157	CAMBRIA, ha.	51°24′—112°36′	15-28-19-4	H-9
2	CAMERON, hs.	59°48′—118°00′		C-1
157	CAMPSIE, p.o.	54°08′—114°39′	26-59-5-5	F-6
157	CAMROSE, c., 8,477	53°01′—112°50′	46-47-20-4	H-7
157	CANMORE, t., 1,445	51°05′—115°21′	24-10-5	D-9
156	CANYON CREEK, ha.	54°22′—115°05′	36-73-8-5	E-5
157	CARBON, v., 366	51°29′—113°09′	15-29-23-4	G-9
156	CARCAJOU, ha.	57°47′—117°06′	32-101-19-5	C-3
157	CARDIFF, ha.	53°47′—113°36′	26-55-25-4	G-7
22	CARDINAL, l.	56°14′—117°44′		C-4
23	CARDINAL, r.	52°52′—116°35′		D-8
157	CARDSTON, t., 2,721	49°12′—113°18′	9-3-25-4	G-11
22	CARIBOU, l.	59°03′—116°05′		J-5
2	CARIBOU, mts.	59°12′—116°40′		E-1
22	CARIBOU, r.	58°28′—115°51′		E-2
157	CARLOS, p.o.	52°33′—114°38′	27-41-5-5	F-8
157	CARMANGAY, v., 270	50°08′—113°07′	32-13-23-4	G-10
157	CARNWOOD, p.o.	53°11′—114°38′	35-48-5-5	F-7
157	CAROLINE, v., 294	52°05′—114°45′	14-36-6-5	F-8
157	CAROLSIDE, ha.	51°13′—111°38′	16-26-12-4	J-9
157	CARROT CREEK, p.o.	53°37′—115°51′	28-53-13-5	E-7
157	CARSELAND, ha.	50°51′—113°28′	7-22-25-4	G-10
157	CARSTAIRS, t., 806	51°34′—114°06′	17-30-1-5	F-9
23	CASCADE, r.	51°10′—115°29′		E-9
156	CASLAN, ha.	54°38′—112°31′	16-65-17-4	H-6
23	CASTLE, r.	49°36′—113°59′		F-11
157	CASTOR, t., 1,090	52°13′—111°53′	35-37-14-4	I-8
23	CATARACT, cr.	52°09′—116°55′		F-10
157	CAYLEY, v., 133	50°27′—113°51′	19-17-28-4	G-10
157	CEREAL, v., 191	51°25′—110°48′	28-28-6-4	J-9
157	CESSFORD, ha.	51°01′—111°33′	36-23-12-4	I-9
23	CHABA, r.	52°25′—117°39′		C-8
23	CHAIN, ls.	51°50′—112°09′		H-9
157	CHAMPION, v., 368	50°14′—113°09′	7-15-23-4	G-10
157	CHANCELLOR, ha.	51°05′—112°50′	35-24-21-4	H-9
156	CHARD, ha.	55°50′—110°55′	17-79-6-4	J-5
22	CHARLES, l.	59°50′—110°33′		J-1
23	CHARLOTTE, l.	54°15′—110°38′		J-6
156	CHARRON, p.o.	54°52′—112°26′	18-68-16-4	H-6

157	CHAUVIN, v., 362	52°42′—110°07′	7-43-1-4	J-8
157	CHEADLE, ha.	51°01′—113°32′	2-24-26-4	G-9
157	CHEDDERVILLE, p.o.	52°10′—114°50′	17-37-6-5	F-8
156	CHEECHAM, stn.	56°17′—110°52′	16-84-6-4	J-4
157	CHERHILL, ha.	53°49′—114°41′	9-56-5-5	F-7
157	CHERRY GROVE, p.o.	54°22′—110°06′	9-62-1-4	J-6
156	CHERRY POINT, p.o.	56°11′—119°57′	10-83-13-6	A-4
22	CHESTER, cr.	57°18′—116°46′		D-3
157	CHIGWELL, p.o.	52°29′—113°32′	33-40-25-4	G-8
23	CHIN, ls.	49°37′—112°13′		H-11
157	CHIN, stn.	49°46′—112°27′	25-9-19-4	H-11
22	CHINCHAGA, r.	58°53′—118°20′		B-2
157	CHINOOK, v., 100	51°27′—110°56′	4-29-7-4	I-9
156	CHINOOK VALLEY, p.o.	56°29′—117°39′	24-86-24-5	C-4
23	CHIP, l.	53°40′—115°23′		E-7
157	CHIP LAKE, p.o.	53°37′—115°26′	32-53-10-5	E-7
22	CHIPEWYAN, ls.	56°57′—113°25′		G-4
22	CHIPEWYAN, r.	56°47′—113°37′		G-4
157	CHIPMAN, v., 188	53°42′—112°38′	30-54-18-4	H-7
156	CHISHOLM MILLS, ha.	54°55′—114°10′	26-68-2-5	F-6
	CHOWN, see Mt. Chown			
22	CHRISTINA, l.	55°38′—110°55′		J-5
22	CHRISTINA, r.	56°40′—111°03′		I-4
23	CHRISTMAS, cr.	54°11′—115°22′		E-6
23	CHUNGO, cr.	52°43′—116°19′		D-8
156	CLAIRMONT, ha.	55°16′—118°47′	25-72-6-6	B-5
157	CLANDONALD, ha.	53°34′—110°44′	17-53-5-4	J-7
157	CLARESHOLM, t., 2,949	50°02′—113°35′	26-12-27-4	G-10
156	CLARKSON VALLEY, p.o.	55°07′—117°46′	9-71-25-5	C-5
2	CLEAR, hs.	56°40′—119°30′		A-4
22	CLEAR, r.	56°11′—119°42′		A-4
156	CLEAR HILLS, p.o.	56°33′—117°53′	10-87-25-5	C-4
156	CLEAR PRAIRIE, p.o.	56°36′—119°30′	22-87-10-6	A-4
22	CLEARWATER, r.	52°22′—114°57′		I-4
23	CLEARWATER, r.	56°44′—111°23′		E-8
22	CLEMENTS, cr.	58°47′—114°34′		F-2
23	CLINE, r.	52°11′—116°26′		D-8
157	CLIVE, v., 239	52°28′—113°27′	31-40-24-4	G-8
22	CLOUSTON, cr.	55°29′—117°17′		C-5
157	CLUNY, v., 171	50°50′—112°52′	5-22-21-4	H-10
22	CLYDE, l.	55°18′—111°28′		I-5
22	CLYDE, r.	55°10′—111°42′		I-5
157	CLYDE, v., 256	54°09′—113°39′	35-59-25-4	G-6
23	COAL, l.	53°05′—113°17′		G-7
157	COAL VALLEY, stn.	53°05′—116°48′	26-47-20-5	D-7
157	COALDALE, t., 2,541	49°43′—112°37′	11-9-20-4	H-11
157	COALHURST, ha.	49°45′—112°56′	21-9-22-4	H-11
157	COALSPUR, stn.	53°11′—117°01′	33-48-21-5	C-7
157	COCHRANE, v., 819	51°11′—114°28′	2-26-4-5	F-9
156	CODESA, p.o.	55°46′—118°05′	22-78-1-6	B-5
22	COLD, l.	54°33′—110°05′		J-6
156	COLD LAKE, t., 1,257	54°27′—110°10′	24-63-2-4	J-6
157	COLEMAN, t., 1,308	49°38′—114°30′	81-8-4-5	F-11
22	COLIN, l.	59°34′—110°08′		J-1
156	COLINTON, ha.	54°37′—113°15′	15-65-22-4	G-6
157	COLLEGE HEIGHTS, ha.	52°28′—113°45′	31-40-26-4	G-8
	COLUMBIA, see Mt. Columbia			
157	COMPEER, ha.	51°52′—110°00′	25-33-1-4	J-9
157	CONDOR, ha.	52°20′—114°33′	5-39-4-5	F-8
22	CONIBEAR, l.	59°37′—113°17′		G-1
156	CONKLIN, ha.	55°38′—111°05′	31-76-7-4	I-5
23	CONNOR, cr.	54°01′—114°50′		F-6
157	CONRAD, stn.	49°31′—111°58′	32-6-15-4	I-11
157	CONRICH, p.o.	51°06′—113°52′	5-25-28-4	G-9
157	CONSORT, v., 670	52°01′—110°46′	15-35-6-4	J-8
23	COOKING, l.	53°26′—113°02′		H-7
157	COOKING LAKE, ha.	53°25′—113°08′	13-51-22-4	G-7
156	COOLIDGE, p.o.	54°35′—113°35′	5-65-24-4	G-6
23	CORAL, cr.	52°10′—116°30′		D-8
22	CORNWALL, l.	59°36′—110°35′		J-1
157	CORONADO, ha.	53°53′—113°18′	36-56-23-4	G-7
157	CORONATION, t., 1,003	52°05′—111°27′	13-36-11-4	I-8
22	COTTONWOOD, cr.	56°05′—110°36′		J-4
157	COUNTESS, p.o.	50°47′—112°17′	15-21-17-4	H-10
22	COUTTS, r.	54°53′—114°30′		F-6
157	COUTTS, v., 427	49°00′—111°57′	4-1-15-4	I-11
157	COWLEY, v., 163	49°34′—114°05′	21-7-1-5	F-11
22	COWPER, l.	55°54′—110°26′		J-5
157	CRAIGMYLE, v., 107	51°40′—112°15′	20-31-16-4	H-9
157	CRAMMOND, p.o.	52°02′—114°40′	29-35-5-5	F-8
157	CRANFORD, ha.	49°46′—112°21′	27-9-18-4	H-11
157	CREMONA, v., 179	51°33′—114°29′	3-30-4-5	F-9
157	CROSSFIELD, v., 596	51°26′—114°02′	26-28-1-5	F-9
23	CROW INDIAN, l.	49°22′—111°48′		I-11
157	CROWFOOT, stn.	50°49′—112°39′	25-21-20-4	H-10
3	CROWSNEST, mt. 9,138 ft.	49°42′—114°35′		F-11
157	CROWSNEST, p.o.	49°38′—114°41′	7-8-5-5	F-11
23	CROWSNEST, r.	49°36′—114°03′		F-11
22	CUTBANK, r.	54°43′—118°32′		B-6
157	CYNTHIA, ha.	53°17′—115°25′	32-49-10-5	E-7
3	CYPRESS, hs.	49°34′—110°08′		J-10
157	CZAR, v., 185	52°27′—110°50′	20-40-6-4	J-8
157	DALEMEAD, p.o.	50°52′—113°38′	14-22-27-4	G-10
157	DAPP, ha.	54°22′—113°55′	12-62-27-4	G-6
	DARRAH, see Mt. Darrah			
157	DARWELL, ha.	53°40′—114°35′	13-54-5-5	F-7
157	DAYSLAND, t., 630	52°52′—112°15′	9-45-16-4	H-8
157	DE WINTON, ha.	50°49′—114°01′	36-21-1-5	F-10
156	DEADWOOD, stn.	56°44′—117°27′	20-89-22-5	C-4
156	DEBOLT, ha.	55°13′—118°01′	12-72-1-6	B-5
23	DEEP VALLEY, cr.	54°33′—117°44′		C-6
157	DEL BONITA, ha.	49°02′—112°48′	18-1-21-4	H-11
157	DELACOUR, p.o.	51°09′—113°46′	24-25-28-4	G-9
157	DELBURNE, v., 391	52°12′—113°14′	21-37-23-4	G-8
157	DELIA, v., 286	51°38′—112°23′	5-31-17-4	H-9
3	DELTAFORM, mt., 11,235 ft.	51°20′—116°15′		D-9
156	DEMMITT, p.o.	55°27′—119°54′	34-74-13-6	A-5
157	DERWENT, v., 261	53°39′—110°58′	9-54-7-4	J-7
156	DESMARAIS, ha.	55°56′—113°49′	24-80-25-4	G-5
157	DEVON, t., 1,283	53°22′ 113°44′	34-50-26-4	G-7
157	DEWBERRY, v., 198	55°35′—110°32′	21-53-4-4	J-7
157	DIAMOND CITY, ha.	49°48′—112°51′	6-10-21-4	H-11
157	DICKSON, p.o.	52°03′—114°19′	1-36-3-5	F-8
157	DIDSBURY, t., 1,730	51°40′—114°08′	18-31-1-5	F-9
156	DIXONVILLE, stn.	56°32′—117°40′	13-87-24-5	C-4
22	DIZZY, cr.	52°25′—115°50′		C-1
157	DODDS, stn.	53°13′—112°33′	15-49-18-4	H-7
23	DOGPOUND, cr.	51°48′—114°22′		F-9
157	DOGPOUND, p.o.	51°28′—114°24′	5-29-3-5	F-9
157	DONALDA, v., 263	52°35′—112°34′	6-42-18-4	H-8
156	DONATVILLE, p.o.	54°45′—112°48′	33-66-19-4	H-6
156	DONNELLY, v., 260	55°44′—117°06′	1-78-21-5	C-5
157	DOROTHY, p.o.	51°18′—112°19′	4-27-17-4	H-9
22	DOVER, r.	57°10′—111°45′		I-3
157	DOVERCOURT, p.o.	52°15′—114°51′	6-38-6-5	F-8
23	DOWLING, l.	51°44′—112°00′		H-9
23	DRIEDMEAT, cr.	52°52′—112°44′		H-8
23	DRIEDMEAT, l.	52°52′—112°45′		H-8
156	DRIFTPILE, p.o.	55°20′—115°46′	22-73-12-5	E-5
22	DRIFTWOOD, r.	55°15′—114°15′		F-5
157	DUCHESS, v., 201	50°45′—111°55′	32-20-14-4	I-10
157	DUFFIELD, ha.	53°32′—114°21′	26-52-3-5	F-7
22	DUNKIRK, r.	56°46′—112°32′		H-4
157	DUNMORE, ha.	49°58′—110°36′	3-12-5-4	J-11
157	DUNSTABLE, p.o.	53°57′—114°12′	26-57-2-5	F-7
156	DUNVEGAN, ha.	55°54′—118°37′	7-80-4-6	B-5
23	DUTCH, cr.	49°54′—114°23′		F-11
156	DUVERNAY, ha.	53°47′—111°41′	26-55-12-4	I-7
23	EAGLE, l.	51°00′—113°19′		G-9
22	EAGLENEST, l.	57°47′—112°08′		H-3
156	EAGLESHAM, v., 242	55°47′—117°53′	25-78-26-5	C-5
23	EAST BERRY, cr.	50°55′—111°36′		I-10
157	EAST COULEE, ha.	51°20′—112°19′	29-27-18-4	H-9
22	EAST PRAIRIE, r.	55°33′—116°22′		D-5
157	EASYFORD, p.o.	53°17′—115°09′	6-50-8-5	E-7
157	ECKVILLE, t., 675	52°21′—114°22′	16-39-3-5	F-8
22	ECONOMY, cr.	55°08′—118°13′		B-5
157	EDBERG, v., 167	52°47′—112°47′	14-44-20-4	H-8
157	EDGERTON, v., 345	52°45′—110°27′	1-44-4-4	J-8
	EDITH CAVELL, see Mt. Edith Cavell			
157	EDMONTON, c., 393,563	53°33′—113°28′	53-24-4	G-7
157	EDMONTON BEACH, s.v.	53°31′—114°07′	30-52-1-5	F-7
23	EDSON, r.	53°40′—116°16′		D-7
157	EDSON, t., 3,817	53°35′—116°26′	15-53-17-5	C-7
157	EDWAND, p.o.	54°09′—112°17′	36-59-16-4	H-6
23	EDWARD, l.	54°27′—110°34′		J-6
157	EGREMONT, ha.	54°02′—113°08′	28-58-22-4	G-6
	EISENHOWER, see Mt. Eisenhower			
23	ELBOW, r.	51°03′—114°02′		F-9
157	ELK POINT, t., 775	53°54′—110°54′	1-57-7-4	J-7
157	ELKTON, p.o.	51°39′—114°32′	17-31-4-5	F-9
157	ELKWATER, ha.	49°40′—110°17′	24-8-3-4	J-11
157	ELLERSLIE, stn.	53°26′—113°30′	29-51-24-4	G-7
22	ELLS, r.	57°18′—111°40′		I-3
156	ELLSCOTT, ha.	54°30′—112°54′	1-64-20-4	H-6
157	ELMSPRING, ha.	49°21′—112°09′	31-4-16-4	H-11
156	ELMWORTH, p.o.	55°03′—119°37′	9-70-11-6	A-5
157	ELNORA, v., 191	51°59′—113°12′	10-35-23-4	G-8
23	EMBARRAS, r.	53°27′—116°37′		D-7
156	EMBARRAS PORTAGE, p.o.	58°27′—111°28′	7-109-9-4	I-2
157	EMPRESS, v., 360	50°57′—110°00′	13-23-1-4	J-10
157	ENCHANT, ha.	50°10′—112°25′	17-14-18-4	H-10
157	ENDIANG, ha.	51°57′—112°10′	26-34-16-4	H-9
156	ENILDA, ha.	55°25′—116°18′	13-74-16-5	D-5
157	ENSIGN, ha.	50°28′—113°26′	31-17-25-4	G-10
157	ENTRANCE, ha.	53°22′—117°41′	1-51-26-5	C-7
157	ENTWISTLE, v., 329	53°46′—115°00′	20-53-7-5	F-7
22	EQUISETUM, l.	56°43′—114°42′		F-4
23	ERITH, r.	53°23′—116°40′		D-7
157	ERSKINE, ha.	52°20′—112°53′	6-39-20-4	H-8
23	ESCARPMENT, r.	51°56′—116°21′		D-9
157	ESTHER, p.o.	51°42′—110°16′	29-31-2-4	J-9
157	ETZIKOM, ha.	49°29′—111°06′	14-6-9-4	I-11
23	ETZIKOM, co.	49°28′—112°08′		I-11
22	EUREKA, r.	56°23′—119°30′		A-4
156	EUREKA RIVER, p.o.	56°27′—118°44′	17-86-5-6	B-4
157	EVANSBURG, v., 462	53°36′—115°01′	30-53-7-5	E-7
157	EVARTS, p.o.	52°16′—114°16′	7-38-2-5	F-8
157	EXCEL, p.o.	51°22′—110°29′	13-28-5-4	J-9
157	EXSHAW, ha.	51°03′—115°09′	22-24-9-5	E-9
157	FABYAN, ha.	52°53′—111°00′	18-45-7-4	J-8
156	FAIRVIEW, t., 1,931	56°04′—118°23′	34-81-3-6	B-4
157	FAITH, p.o.	49°17′—111°13′	6-4-9-4	I-11
156	FALHER, t., 938	55°44′—117°12′	4-78-21-5	C-5
23	FALLENTIMBER, cr.	51°45′—114°39′		F-9
157	FALLIS, p.o.	53°35′—114°38′	23-53-5-5	F-7
157	FALUN, p.o.	52°57′—113°50′	10-46-27-4	G-8
23	FARRELL, l.	51°52′—112°20′		H-9
156	FAUST, ha.	55°19′—115°38′	16-73-11-5	E-5
156	FAWCETT, ha.	54°32′—114°05′	16-64-1-5	F-6
22	FAWCETT, l.	55°19′—113°57′		G-5
157	FENN, p.o.	52°08′—112°45′	35-36-20-4	H-8
157	FERINTOSH, v., 161	52°46′—112°58′	3-44-21-4	H-8
23	FIDDLE, r.	53°13′—117°51′		C-7
157	FINCASTLE, ha.	49°48′—112°00′	8-10-15-4	I-11
157	FINNEGAN, p.o.	51°07′—112°04′	18-25-15-4	H-9
22	FIRE, cr.	58°45′—119°36′		A-2
22	FIREBAG, r.	57°45′—111°21′		I-3
23	FISH, cr.	50°54′—114°01′		F-10
157	FISHER HOME, p.o.	53°03′—114°10′	14-47-2-5	F-7
156	FITZGERALD, ha.	49°53′—110°50′	7-11-6-4	I-1
22	FLAT, l.	54°38′—112°54′		H-6
156	FLATBUSH, ha.	54°42′—114°09′	1-66-2-5	F-6
157	FLEET, ha.	52°09′—111°44′	1-37-13-4	I-8
157	FOISY, p.o.	53°52′—111°35′	4-57-11-4	I-7
3	FOLDING, mt., 6,947 ft.	53°12′—117°42′		C-7
	FORBES, see Mt. Forbes			
157	FOREMOST, v., 558	49°29′—111°25′	17-6-11-4	I-11
157	FORESTBURG, v., 583	52°35′—112°04′	2-42-15-4	H-8
157	FORK LAKE, p.o.	54°27′—111°37′	16-63-11-4	I-6
157	FORSHEE, p.o.	52°33′—114°09′	25-41-2-5	F-8
157	FORT ASSINIBOINE, v., 147	54°20′—114°46′	10-62-6-5	F-6
156	FORT CHIPEWYAN, ha.	58°42′—111°08′	112-7-4	I-2
156	FORT KENT, ha.	54°10′—110°37′	25-61-5-4	J-6
156	FORT MACKAY, ha.	57°11′—111°37′	24-94-11-4	I-3
157	FORT MACLEOD, t., 2,640	49°43′—113°25′	12-9-26-4	G-11
156	FORT McMURRAY, t., 4,984	56°44′—111°23′	16-89-9-4	I-4
157	FORT SASKATCHEWAN, t., 4,430	53°43′—113°13′	32-54-22-4	G-7
156	FORT VERMILION, ha.	58°24′—116°00′	108-12-5	D-2
23	FORTY MILE, cr.	51°11′—115°35′		E-9
157	FOX CREEK, t., 256	54°24′—116°48′	62-19-5	D-6
156	FOX LAKE, p.o.	58°26′—114°24′	14-109-4-5	F-2
157	FRANCHERE, p.o.	54°16′—111°02′	8-61-7-4	I-6
157	FRANK, v., 178	49°36′—114°24′	31-7-3-5	F-11
	FRYATT, see Mt. Fryatt			
157	FREEDOM, p.o.	54°10′—114°12′	2-60-2-5	F-6
23	FREEMAN, r.	54°19′—114°50′		F-6
22	FRENCHMAN, l.	54°32′—111°27′		I-6
156	FRIEDENSTAL, p.o.	56°03′—118°20′	25-81-3-6	B-4
23	FROG, l.	53°55′—110°20′		J-7
157	FROG LAKE, p.o.	53°50′—110°25′	17-56-3-4	J-7
157	GADSBY, v., 84	52°18′—112°21′	27-38-17-4	H-8
156	GAGE, stn.	56°08′—118°30′	26-82-4-6	B-4
157	GAINFORD, ha.	53°35′—114°47′	14-53-6-5	F-7
157	GALAHAD, v., 174	52°31′—111°56′	10-41-14-4	I-8
22	GARDINER, ls.	57°32′—112°30′		H-3
22	GARSON, l.	56°19′—110°02′		J-4
157	GEM, ha.	50°57′—112°11′	8-23-16-4	H-10
157	GENESEE, ha.	53°21′—114°20′	27-50-3-5	F-7
23	GHOST, r.	51°13′—114°43′		F-9
157	GHOST LAKE, s.v.	51°12′—114°45′	10-26-6-5	F-9
157	GHOST PINE CREEK, p.o.	51°43′—113°04′	5-32-22-4	G-9
157	GIBBONS, v., 230	53°50′—113°20′	10-56-23-4	G-7
156	GIFT LAKE, ha.	55°53′ 115°49′	33-79-12-5	E-5
157	GILBY, ha.	52°28′—114°23′	20-40-3-5	F-8
156	GIROUXVILLE, v., 305	55°45′—117°20′	16-78-22-5	C-5
157	GLEICHEN, t., 411	50°52′—113°03′	13-22-23-4	G-10
157	GLEN PARK, p.o.	53°12′—113°55′	5-49-27-4	G-7
157	GLENDON, v., 350	54°15′—111°10′	5-61-8-4	I-6
157	GLENEVIS, ha.	53°48′—114°31′	34-55-4-5	F-7
157	GLENWOOD, v., 194	49°22′—113°31′	11-5-27-4	G-11
22	GOFFIT, cr.	57°16′—117°42′		C-3
22	GOLDEN, cr.	55°09′—116°31′		D-5
156	GOODFARE, p.o.	55°16′—119°43′	25-72-12-6	A-5
22	GOODFISH, l.	54°17′—111°49′		F-4
157	GOODFISH LAKE, p.o.	54°18′—111°50′	26-61-13-4	I-6
157	GOODRIDGE, p.o.	54°23′—111°22′	30-62-9-4	I-6
156	GOODWIN, p.o.	55°13′—118°11′	12-72-2-6	B-5
22	GOOSE, cr.	55°04′—117°31′		C-5
22	GORDON, l.	56°30′—110°25′		J-4
156	GORDONDALE, p.o.	55°50′—119°33′	17-79-10-6	A-5
23	GOUGH, l.	52°02′—112°28′		H-8
22	GRAHAM, l.	56°35′—114°33′		F-4
157	GRAINGER, p.o.	51°30′—113°20′	20-29-24-4	G-9
157	GRANDE CACHE, t.	53°55′—118°45′	56-57-8-6	B-7
157	GRANDE CACHE, p.o.	53°54′—119°09′	15-57-5-6	A-7
157	GRAND CENTRE, t., 1,892	54°25′—110°13′	34-62-2-4	J-6
156	GRANDE PRAIRIE, c., 11,605	55°10′—118°48′	71-6-6	B-5
157	GRANUM, t., 287	49°52′—113°30′	31-10-26-4	G-11
156	GRASSLAND, ha.	54°49′—112°41′	28-67-18-4	H-6
23	GRASSY ISLAND, l.	51°50′—110°20′		J-9
157	GRASSY LAKE, v., 209	49°49′—111°43′	16-10-13-4	I-11
23	GRATTAN, cr.	52°52′—111°03′		I-8
157	GREEN COURT, ha.	54°01′—115°14′	14-58-9-5	E-7
157	GREENSHIELDS, stn.	52°47′—110°46′	14-44-6-4	J-8
23	GREGG, r.	53°17′—117°17′		C-7
22	GREGOIRE, l.	56°27′—111°08′		I-4
22	GREGOIRE, r.	56°29′—110°48′		J-4
156	GRIMSHAW, t., 1,668	56°11′—117°36′	17-83-23-5	C-4
23	GRIZZLY BEAR, cr.	53°05′—110°36′		J-7
23	GROS VENTRE, cr.	49°54′—110°19′		J-11
156	GROUARD MISSION, ha.	55°53′—116°09′	31-75-14-5	D-5
156	GROVEDALE, p.o.	55°03′—118°52′	4-70-6-6	B-5
23	GULL, l.	52°34′—114°00′		G-8
157	GULL LAKE, s.v.	52°27′—113°55′	22-40-28-4	G-8
157	GUNN, ha.	53°44′—114°20′	2-55-3-5	F-7
157	GURNEYVILLE, p.o.	54°08′—110°45′	31-59-5-4	J-6
156	GUY, ha.	55°33′—117°07′	1-76-21-5	C-5
157	GWYNNE, ha.	52°59′—113°11′	24-46-23-4	G-8
156	HABAY, ha.	58°50′—118°44′	113-5-6	B-2
157	HACKETT, stn.	52°08′—112°27′	36-36-18-4	H-8
157	HADDOCK, p.o.	53°49′—115°59′	2-56-14-5	E-7
22	HAIG, l.	56°54′—116°06′		D-4
22	HAIG, r.	57°59′—118°00′		B-2
157	HAIGHT, stn.	53°21′—112°19′	30-50-16-4	H-7
157	HAIRY HILL, v., 136	53°46′—111°48′	23-55-14-4	I-7
157	HALKIRK, v., 177	52°17′—112°09′	24-38-16-4	H-8
157	HAMLIN, p.o.	53°58′—111°54′	5-58-13-4	I-7
3	HAND, hs.	51°30′—112°17′		H-9
22	HANGINGSTONE, r.	56°43′—111°20′		I-4
23	HANLAN, cr.	52°13′—116°34′		D-7
157	HANNA, t., 2,633	51°38′—111°54′	9-31-14-4	I-9
157	HARDISTY, t., 626	52°40′—111°18′	6-43-9-4	I-8
157	HARMATTAN, ha.	51°46′—114°25′	24-32-4-5	F-9
156	HARMON VALLEY, p.o.	56°07′—116°50′	12-82-19-5	D-4
22	HARPER, cr.	58°15′—113°57′		F-2
22	HARRISON, r.	58°42′—110°20′		J-2
157	HARTELL, p.o.	50°36′—114°14′	17-19-2-5	F-10
157	HARTLEYVILLE, ha.	49°22′—113°37′	5-5-27-4	G-11
157	HATTONFORD, p.o.	53°46′—115°42′	27-55-12-5	E-7
2	HAWK, hs.	57°25′—117°38′		C-3
22	HAY, r.	58°15′—119°00′		A-2
157	HAY LAKES, v., 185	53°13′—113°03′	6-49-21-4	G-7
157	HAYNES, ha.	52°19′—113°24′	4-39-24-4	G-8
157	HAYS, ha.	50°06′—111°48′	24-13-14-4	I-10
157	HAYTER, ha.	52°22′—110°07′	17-39-1-4	J-8
157	HAZELDINE, p.o.	52°35′—110°27′	18-53-3-4	J-7
	HEAD, see Mt. Head			
23	HEART, l.	55°02′—111°30′		I-5
22	HEART, r.	56°14′—117°17′		C-4
157	HEATH, p.o.	52°48′—110°36′	13-44-5-4	J-8
	HECTOR, see Mt. Hector			
157	HEINSBURG, ha.	53°46′—110°31′	22-55-4-4	J-7
157	HEISLER, v., 199	52°41′—112°13′	2-43-16-4	H-8
157	HEMARUKA, stn.	51°47′—111°06′	33-32-8-4	I-9
22	HENDERSON, cr.	55°51′—120°00′		C-2
23	HENDERSON, cr.	59°00′—117°50′		A-5
157	HERRONTON, ha.	50°38′—113°25′	20-19-25-4	G-10
157	HESKETH, p.o.	51°28′—112°58′	12-29-22-4	H-9
157	HESPERO, p.o.	52°20′—114°27′	1-39-4-5	F-8
22	HIGH HILL, r.	56°45′—110°30′		J-4
156	HIGH LEVEL, t., 2,006	58°31′—117°08′	19-109-19-5	C-2
156	HIGH PRAIRIE, t., 2,430	55°26′—116°29′	23-74-17-5	D-5
157	HIGH RIVER, t., 2,239	50°35′—113°52′	6-19-28-4	G-10
156	HIGHLAND PARK, p.o.	56°06′—118°52′	16-82-6-6	B-4
157	HIGHRIDGE, p.o.	54°03′—114°08′	30-58-1-5	F-6
157	HIGHWAY, p.o.	52°53′—115°29′	31-56-10-5	E-7
23	HIGHWOOD, r.	50°49′—113°47′		G-10
157	HILDA, ha.	50°28′—110°03′	35-17-1-4	J-10
157	HILL SPRING, v., 190	49°17′—113°38′	18-4-27-4	G-11
157	HILLCREST MINES, ha.	49°34′—114°23′	20-7-3-5	F-11
157	HILLIARD, ha.	53°39′—112°29′	5-54-17-4	H-7
22	HINES, cr.	55°54′—118°37′		B-5
156	HINES CREEK, v., 428	56°15′—118°36′	32-83-4-6	B-4
157	HINTON, t., 4,461	53°25′—117°34′	14-51-25-5	C-7
157	HOADLEY, ha.	52°51′—114°22′	34-44-3-5	F-8
157	HOBBEMA, ha.	52°50′—113°27′	29-44-24-4	G-8
157	HOLDEN, v., 503	53°14′—112°14′	14-49-16-4	H-7
157	HOLLOW LAKE, p.o.	54°15′—112°47′	4-61-19-4	H-6
156	HONDO, ha.	55°04′—114°02′	23-70-1-5	F-5
157	HOREN, p.o.	53°29′—114°44′	18-52-5-5	F-7
22	HORNADAY, r.	59°26′—111°28′		I-1
22	HORSE, r.	56°43′—111°23′		I-4
22	HOTCHKISS, r.	57°02′—117°28′		C-3
22	HOUSE, r.	56°12′—112°30′		H-4
23	HOWSE, r.	51°57′—116°45′		D-9
156	HUALLEN, p.o.	55°10′—119°17′	22-71-9-6	A-5
157	HUGHENDEN, v., 245	52°31′—110°59′	8-41-7-4	J-8
157	HUSSAR, v., 214	51°03′—112°41′	14-24-20-4	H-9
157	HUXLEY, ha.	51°56′—113°14′	17-34-23-4	G-9
156	HYLO, ha.	54°41′—112°13′	4-66-15-4	H-6
156	HYTHE, v., 497	55°20′—119°33′	13-73-11-6	A-5
157	IDDESLEIGH, p.o.	50°44′—111°18′	34-20-10-4	I-10
156	IMPERIAL MILLS, ha.	55°00′—111°44′	26-69-12-4	I-5
156	INDIAN CABINS, ha.	59°53′—117°02′	15-125-18-5	C-1
157	INDUS, stn.	50°55′—113°47′	35-22-28-4	G-10
157	INLAND, p.o.	53°25′—112°11′	20-51-15-4	H-7
157	INNISFAIL, t., 2,531	52°02′—113°57′	21-35-28-4	F-8
157	INNISFREE, v., 296	53°22′—111°32′	3-51-11-4	I-7
3	INTERSECTION, mt., 8,075 ft.	53°45′—120°00′		A-7
23	INVERNESS, r.	55°04′—115°18′		E-5
22	IOSEGUN, r.	54°44′—117°11′		C-6
23	IPIATIK, r.	55°07′—111°03′		I-5
23	IRON, cr.	52°43′—111°14′		I-8
157	IRON RIVER, p.o.	54°27′—110°55′	18-63-6-4	J-6
157	IRON SPRINGS, ha.	49°56′—112°41′	21-11-20-4	H-11
157	IRRICANA, v., 104	51°19′—113°37′	21-27-26-4	G-9
157	IRVINE, t., 209	49°57′—110°16′	31-11-2-4	J-11
156	ISLAND LAKE, s.v.	54°50′—113°34′	35-67-24-4	G-6
157	ISLAY, ha.	53°24′—110°33′	9-51-4-4	J-7
23	ISLE, l.	53°38′—114°44′		F-7
157	ITASKA BEACH, s.v.	53°04′—114°05′	28-47-1-5	F-7
22	JACKFISH, ls.	59°28′—113°46′		G-1
22	JACKFISH, r.	59°04′—112°53′		G-1
23	JACKPINE, r.	53°41′—119°25′		A-7
22	JAMES, cr.	59°48′—116°57′		D-1
22	JAMES, r.	51°44′—115°27′		F-9

157	JAMES RIVER BRIDGE, p.o.	51°56′—114°38′	27-34-5-5	F-9
157	JARROW, ha.	52°57′—111°24′	4-46-10-4	I-8
157	JARVIE, ha.	54°47′—113°59′	15-63-27-4	G-6
157	JASPER, t.u., 2,505	52°53′—118°05′	45-1-6	B-8
156	JEAN COTE, ha.	55°54′—117°19′	36-79-22-5	C-5
157	JENNER, ha.	50°45′—111°11′	33-20-9-4	I-10
23	JOB, cr.	52°30′—116°52′		D-8
	JOFFRE, see Mt. Joffre			
157	JOFFRE, stn.	52°20′—113°32′	9-39-25-4	G-8
22	JOHNSON, l.	57°39′—110°23′		J-3
23	JOHNSTON, cr.	51°14′—115°51′		E-9
23	JOSEPH, l.	53°17′—113°04′		G-7
157	JOSEPHBURG, ha.	53°43′—113°05′	32-54-21-4	G-7
156	JOUSSARD, stn.	55°22′—115°56′	33-73-13-5	E-5
23	JUMPINGPOUND, cr.	51°11′—114°30′		F-9
157	KAHWIN, p.o.	54°00′—112°20′	9-58-16-4	H-7
22	KAKISA, cr.	59°57′—119°35′		A-1
22	KAKWA, r.	54°37′—118°28′		B-6
157	KANANASKIS, ha.	51°04′—115°06′	30-24-8-5	E-9
23	KANANASKIS, r.	51°05′—115°03′		C-9
157	KAPASIWIN, s.v.	53°02′—114°26′	31-52-3-5	F-7
156	KATHLEEN, ha.	55°37′—116°50′	35-76-19-5	D-5
157	KATHYRN, p.o.	51°13′—113°42′	16-26-27-4	G-9
157	KAVANAGH, ha.	53°11′—113°31′	36-48-25-4	G-7
22	KEANE, cr.	58°26′—110°53′		J-2
157	KEEPHILLS, p.o.	53°24′—114°25′	7-51-3-5	F-7
22	KEG, r.	57°54′—117°07′		C-3
156	KEG RIVER, stn.	57°48′—117°52′	23-101-23-5	C-3
23	KEHIWIN, cr.	54°09′—111°00′		J-6
23	KEHO, l.	49°57′—112°59′		G-11
157	KELSEY, ha.	52°51′—112°33′	4-45-18-4	H-8
22	KEMP, r.	57°45′—117°35′		C-3
157	KEOMA, p.o.	51°13′—113°39′	13-26-27-4	G-9
157	KESSLER, p.o.	52°17′—111°02′	26-38-8-4	I-8
22	KETTLE, r.	55°58′—110°42′		J-5
157	KEVISVILLE, p.o.	52°02′—114°26′	25-35-4-5	F-8
156	KIKINO, ha.	54°27′—112°08′	17-63-14-4	H-6
157	KILLAM, t., 867	52°47′—111°51′	17-44-13-4	I-8
157	KIMBALL, ha.	49°05′—113°12′	31-1-24-4	G-11
22	KIMIWAN, l.	55°45′—116°55′		D-5
157	KINGMAN, ha.	53°13′—112°45′	8-49-19-4	H-7
157	KINSELLA, ha.	53°00′—111°32′	27-46-11-4	I-7
156	KINUSO, v., 376	55°20′—115°25′	23-73-10-5	E-5
157	KIRKCALDY, p.o.	50°20′—113°14′	9-16-24-4	G-10
23	KIRKPATRICK, l.	51°52′—111°18′		I-9
157	KIRRIEMUIR, ha.	51°56′—110°18′	13-34-3-4	J-9
157	KITSCOTY, v., 356	53°20′—110°20′	26-50-3-4	J-7
22	KLESKUN, cr.	55°21′—118°14′		B-5
157	KNEE HILL VALLEY, p.o.	51°58′—113°42′	6-35-26-4	G-9
23	KNEEHILLS, cr.	51°30′—112°50′		H-9
22	KNIGHTS, cr.	59°04′—112°54′		H-1
156	KSITUAN, r.	55°56′—118°40′		B-5
22	LA BICHE, r.	55°01′—112°44′		H-5
22	LA BUTTE, cr.	59°25′—111°26′		I-1
157	LA COREY, p.o.	54°27′—110°46′	12-63-6-4	J-6
156	LA CRETE, ha.	58°11′—116°24′	10-106-15-5	D-2
156	LA GLACE, ha.	55°25′—119°09′	10-74-8-6	A-5
22	LAC LA BICHE, l.	54°45′—112°05′		I-6
156	LAC LA BICHE, t., 1,649	54°46′—111°58′	6-67-13-4	I-6
23	LAC LA NONNE, l.	53°55′—114°18′		F-7
157	LAC LA NONNE, p.o.	53°55′—114°18′	12-57-3-5	F-7
23	LAC STE. ANNE, l.	53°41′—114°26′		F-7
157	LACOMBE, t., 3,045	52°28′—113°44′	30-40-26-4	G-8
22	LAFOND, cr.	57°03′—115°05′		E-3
157	LAFOND, ha.	53°53′—111°29′	6-57-10-4	I-7
22	LAKE CLAIRE, l.	58°35′—112°05′		H-2
157	LAKE ISLE, p.o.	53°39′—114°43′	7-54-5-5	F-7
157	LAKE LOUISE, ha.	51°26′—116°11′	28-28-16-5	C-9
22	LAMBERT, cr.	58°11′—114°19′		F-2
157	LAMONT, t., 835	53°46′—112°48′	17-55-19-4	H-7
22	LANDELS, r.	55°58′—110°15′		J-5
157	LANFINE, ha.	51°23 —110°42′	7-28-5-4	J-9
157	LANGDON, ha.	50°58′—113°40′	23-23-27-4	G-10
23	LASTHILL, cr.	52°21′—114°21′		F-8
22	LATORNELL, r.	54°58′—118°00′		B-6
157	LAVOY, v., 118	53°27′—111°52′	4-52-13-4	I-7
22	LAWRENCE, l.	54°58′—113°42′		G-6
22	LAWRENCE, r.	58°23′—115°00′		E-2
157	LEA PARK, ha.	53°39′—110°20′	14-54-3-4	J-7
157	LEAVITT, ha.	49°10′—113°27′	31-2-26-4	G-11
157	LEDUC, t., 3,029	53°16′—113°33′	26-49-25-4	G-7
23	LEE, cr.	49°13′—113°16′		G-11
157	LEEDALE, p.o.	52°35′—114°29′	35-41-4-5	F-8
157	LEGAL, v., 612	53°57′—113°35′	27-57-25-4	G-7
22	LEGEND, l.	57°24′—112°55′		H-3
157	LEGEND, p.o.	49°29′—111°36′	19-6-12-4	I-11
22	LELAND, ls.	59°54′—111°02′		I-1
157	LESLIEVILLE, ha.	52°23′—114°36′	26-39-5-5	F-8
22	LESSER SLAVE, l.	55°25′—115°25′		E-5
22	LESSER SLAVE, r.	55°10′—114°03′		F-5
157	LETHBRIDGE, c., 37,760	49°42′—110°50′	8-9-21-4	H-11
22	LIEGE, r.	56°50′—113°49′		G-4
157	LINARIA, p.o.	54°19′—114°08′	24-61-2-5	F-6
157	LINDALE, p.o.	53°15′—114°39′	20-49-5-5	F-7
157	LINDBERGH, ha.	53°53′—110°40′	34-56-5-4	J-7
157	LINDBROOK, p.o.	53°24′—112°49′	12-51-20-4	H-7
157	LINDEN, v., 210	51°36′—113°28′	20-30-25-4	G-9
157	LISBURN, ha.	53°51′—114°46′	23-56-6-5	F-7
23	LITTLE BOW, l.	50°12′—112°40′		H-10
23	LITTLE BOW, r.	49°53′—112°29′		H-10
22	LITTLE BUFFALO, r.	60°00′—112°51′		G-1
22	LITTLE CADOTTE, r.	56°41′—117°06′		D-4
22	LITTLE CLEAR, r.	56°59′—119°33′		A-4
22	LITTLE HAY, r.	58°46′—119°28′		A-2
23	LITTLE PADDLE, r.	53°57′—114°57′		F-7
22	LITTLE RAPIDS, cr.	59°27′—117°13′		C-1
23	LITTLE RED DEER, r.	52°04′—114°09′		F-9
156	LITTLE SMOKY, ha.	54°45′—117°11′	25-66-22-5	C-6
22	LITTLE SMOKY, r.	55°40′—117°38′		C-5
23	LIVINGSTONE, r.	49°57′—114°23′		F-11
22	LIVOCK, r.	56°27′—112°43′		H-4
157	LLOYDMINSTER, c., 4,303	53°17′—110°00′	1-50-1-4	J-7
3	LOAF, mt., 8,643 ft.	49°13′—114°06′		F-11
23	LOBSTICK, r.	53°37′—115°00′		E-7
23	LODGE, cr.	49°13′—110°00′		J-11
157	LODGEPOLE, t., 207	53°06′—115°10′	31-47-9-5	E-7
22	LOGAN, l.	55°05′—110°21′		I-5
22	LOGAN, r.	55°09′—111°42′		I-5
157	LOMOND, v., 215	50°21′—112°39′	14-16-20-4	H-10
157	LONE PINE, p.o.	54°18′—115°07′	27-61-8-5	E-6
23	LONEPINE, cr	51°34′—113°30′		G-9
23	LONEPINE, l.	52°14′—112°33′		H-8
22	LONG, l.	56°44′—114°38′		F-4
157	LONGVIEW, v., 204	50°32′—114°14′	20-18-2-5	F-10
157	LOOMA, ha.	53°22′—113°15′	35-50-23-4	G-7
22	LOON, l.	56°33′—115°26′		E-4
22	LOON, r.	57°08′—115°03′		E-3
22	LOSEMAN, l.	54°54′—110°26′		J-6
	LOUGHEED, see Mt. Lougheed			
157	LOUGHEED, v., 252	52°44′—111°33′	33-43-11-4	I-8
157	LOUSANA, ha.	52°07′—113°10′	23-36-23-4	G-8
157	LOYALIST, ha.	51°58′—110°57′	9-35-7-4	J-9
22	LUBICON, l.	56°23′—115°56′		E-4
22	LUBICON, r.	56°29′—115°27′		E-4
23	LUCKY, l.	54°22′—112°37′		H-6
23	LUND, cr.	53°57′—116°36′		D-7
157	LUNBRECK, ha.	49°35′—114°10′	26-7-2-5	F-11
	LYALL, see Mt. Lyall			
157	LYALTA, p.o.	51°07′—113°36′	8-25-26-4	G-9
156	LYMBURN, stn.	55°21′—119°47′	28-73-12-6	A-5
22	MACKAY, cr.	50°00′—109°55′		J-11
157	MACKAY, p.o.	53°39′—115°35′	8-54-11-5	E-7
22	MACKAY, r.	57°10′—111°38′		H-4
23	McALPINE, cr.	49°53′—110°03′		J-11
22	McCLELLAND, l.	59°43′—111°17′		I-3
23	McGREGOR, l.	50°25′—112°52′		H-10
22	McIVOR, r.	58°18′—112°03′		H-2
157	McLAUGHLIN, ha.	52°59′—110°10′	25-46-2-4	J-8
156	McLENNAN, t., 1,144	55°42′—116°54′	32-77-19-5	D-5
23	McLEOD, r.	54°09′—115°42′		D-7
157	McLEOD VALLEY, p.o.	53°45′—115°58′	2-55-14-5	E-7
22	McMILLAN, l.	55°26′—112°43′		H-5
157	McRAE, p.o.	54°21′—111°42′	15-62-12-4	I-6
157	MADDEN, ha.	51°26′—114°17′	31-28-2-5	F-9
157	MAGNOLIA, p.o.	53°35′—114°52′	19-53-6-5	F-7
157	MAGRATH, t., 1,220	49°25′—112°52′	26-5-22-4	H-11
23	MAJEAU, l.	53°54′—114°25′		F-7
157	MAJORVILLE, p.o.	50°38′—112°42′	27-19-20-4	H-10
157	MALEB, p.o.	49°40′—111°15′	24-8-10-4	I-11
157	MALIGNE, l.	52°40′—117°31′		C-8
23	MALIGNE, r.	52°56′—118°02′		B-8
157	MALLAIG, ha.	54°13′—111°22′	25-60-10-4	I-6
22	MAMAWI, l.	58°38′—111°28′		I-2
157	MA-ME-O BEACH, s.v.	53°58′—113°59′	14-46-28-4	G-8
156	MANNING, t., 1,322	56°55′—117°37′	23-91-23-5	C-4
157	MANNVILLE, v., 683	53°20′—111°10′	25-50-9-4	I-7
157	MANOLA, ha.	54°06′—114°14′	16-59-2-5	F-6
23	MANY ISLAND, l.	50°08′—110°03′		J-10
23	MANYBERRIES, cr.	49°20′—110°53′		J-11
157	MANYBERRIES, ha.	49°24′—110°42′	24-5-6-4	J-11
157	MAPOVA, p.o.	54°18′—113°09′	25-61-22-4	G-6
22	MARGARET, l.	58°56′—115°25′		E-2
156	MARGIE, stn.	55°26′—111°20′	28-74-9-4	I-5
22	MARGUERITE, r.	57°36′—111°05′		I-3
22	MARIE, l.	54°38′—110°18′		J-6
156	MARIE REINE, ha.	56°04′—117°17′	6-82-21-5	C-4
23	MARION, l.	52°12′—112°28′		H-8
157	MARKERVILLE, p.o.	52°07′—114°10′	26-36-2-5	F-8
157	MARWAYNE, v., 351	53°32′—110°20′	26-52-3-4	J-7
22	MAYBELLE, r.	58°25′—110°58′		J-2
157	MAYERTHORPE, t., 968	53°57′—115°08′	28-57-8-5	E-7
157	MAZEPPA, ha.	50°38′—113°44′	30-19-27-4	G-10
157	MEADOWVIEW, p.o.	53°59′—114°40′	33-57-5-5	F-7
22	MEANDER, r.	59°02′—117°42′		C-1
156	MEANDER RIVER, ha.	59°02′—117°42′	5-116-22-5	C-1
156	MEANOOK, p.o.	54°34′—113°20′	31-64-22-4	G-6
157	MEARNS, ha.	53°52′—113°48′	28-56-26-4	G-7
23	MEDICINE, l.	52°51′—117°46′		C-8
23	MEDICINE, r.	52°04′—114°06′		F-8
157	MEDICINE HAT, c., 25,574	50°03′—110°40′	12-5-4	J-10
23	MEDICINE TENT, r.	52°50′—117°23′		C-8
157	MEETING CREEK, ha.	52°41′—112°44′	5-43-19-4	H-8
22	MEGA, r.	58°50′—119°09′		A-2
22	MEIKLE, r.	57°10′—117°22′		C-3
22	MELVIN, r.	59°11′—117°31′		C-1
157	MENAIK, p.o.	52°45′—113°31′	35-43-25-4	G-8
157	MERCOAL, stn.	53°10′—117°05′	24-48-22-5	C-7
22	MERRYWEATHER, l.	59°21′—113°21′		G-1
157	METISKOW, ha.	52°24′—110°38′	3-40-5-4	J-8
157	MIAMI, ha.	49°22′—112°25′	1-5-19-4	H-11
157	MICHICHI, ha.	51°35′—112°32′	19-30-18-4	H-9
23	MIDDLE, cr.	49°23′—110°00′		J-11
3	MIDDLE SAND, hs.	50°35′—110°23′		J-10
157	MIDLANDVALE, ha.	51°28′—112°43′	9-29-20-4	H-9
23	MIETTE, r.	52°52′—118°04′		B-8
157	MIETTE HOT SPRINGS, p.o.	53°10′—117°50′	49-27-5	C-7
22	MIKKWA, r.	58°25′—114°46′		F-3
23	MILK, r.	49°00′—110°33′		J-11
157	MILK RIVER, t., 861	49°09′—112°05′	28-2-16-4	H-11
3	MILK RIVER, ridge	49°15′—112°30′		H-11
23	MILK RIVER RIDGE, res.	49°20′—112°35′		H-11
157	MILLARVILLE, p.o.	50°45′—114°19′	3-21-3-5	F-10
157	MILLET, v., 418	53°06′—113°28′	32-47-24-4	G-7
157	MILLICENT, p.o.	50°42′—111°46′	20-20-13-4	I-10
157	MILO, v., 143	50°34′—112°53′	31-18-21-4	H-10
157	MINBURN, v., 114	53°19′—111°22′	14-50-10-4	I-7
23	MINISTIK, l.	53°21′—113°01′		H-7
23	MINNEWANKA, l.	51°15′—115°23′		E-9
23	MIQUELON, ls.	53°15—112°53′		H-7
157	MIRROR, v., 420	52°28′—113°07′	28-40-22-4	G-8
22	MISSAWAWI, l.	54°42′—112°12′		H-6
157	MISSION BEACH, ha.	53°05′—114°07′	29-47-1-5	F-7
22	MISTEHAE, l.	55°56′—114°18′		F-5
22	MODERE, cr.	58°27′—112°23′		H-2
23	MODESTE, cr.	53°19′—114°42′		F-7
157	MONARCH, ha.	49°48′—113°07′	7-10-23-4	G-11
157	MONITOR, ha.	51°58′—110°34′	6-35-4-4	J-9
22	MONTAGNEUSE, r.	56°15′—118°57′		B-4
157	MOON LAKE, p.o.	53°27′—114°57′	34-51-7-5	F-7
23	MOOSE, l.	54°15′—110°55′		J-6
157	MORECAMBE, ha.	53°40′—111°28′	18-54-10-4	I-7
157	MORINVILLE, t., 995	53°48′—113°39′	33-55-25-4	G-7
157	MORLEY, p.o.	51°09′—114°52′	25-25-7-5	F-9
157	MORNINGSIDE, ha.	52°35′—113°38′	35-41-26-4	G-8
157	MORRIN, v., 272	51°40′—112°47′	15-31-20-4	H-9
22	MORSE, r.	54°30′—115°04′		E-6
23	MOSQUITO, cr.	50°14′—113°25′		G-10
157	MOSSIDE, p.o.	54°04′—114°34′	32-58-4-5	F-6
157	MOSSLEIGH, ha.	50°43′—113°20′	30-20-24-4	G-10
157	MOUNTAIN PARK, stn.	52°55′—117°16′	33-45-23-5	B-8
157	MOUNTAIN VIEW, ha.	49°08′—113°36′	19-2-27-4	G-11
3	MT. ALBERTA, mt., 11,874 ft.	52°18′—117°28′		C-8
3	MT, ALYMER, mt., 10,375 ft.	51°19′—115°27′		E-9
3	MT. ASSINIBOINE, mt., 11,870 ft.	50°52′—115°38′		E-10
3	MT, ATHABASCA, mt., 11,452 ft.	52°11′—117°13′		C-8
3	MT. BALL, mt., 10,865 ft.	51°09′—116°00′		E-9
3	MT. BARNARD, mt., 10,995 ft.	51°44′—116°56′		D-9
3	MT. BRAZEAU, mt., 11,033 ft.	52°33′—117°21′		C-8
3	MT. CHOWN, mt., 10,930 ft.	53°23′—119°23′		A-7
3	MT. COLUMBIA, mt., 12,294 ft.	52°09′—117°27′		C-8
3	MT. DARRAH, mt., 9,038 ft.	49°30′—114°35′		F-11
3	MT. EDITH CAVELL, mt., 11,033 ft.	52°40′—118°03′		C-8
3	MT. EISENHOWER, mt., 9,030 ft.	51°18′—115°54′		E-9
3	MT. FORBES, mt., 11,852 ft.	51°52′—116°55′		D-9
3	MT. FRYATT, mt., 11,026 ft.	52°33′—117°54′		C-8
3	MT. HEAD, mt., 9,126 ft.	50°26′—114°39′		F-10
2	MT. HECTOR, mt., 11,135 ft.	51°35′—116°15′		D-9
3	MT. JOFFRE, mt., 11,316 ft.	50°32′—115°12′		E-10
3	MT. LOUGHEED, mt., 10,194 ft.	50°58′—115°17′		E-9
3	MT. LYALL, mt., 9,684 ft.	50°05′—114°42′		F-10
3	MT. PAULINE, mt., 8,704 ft.	52°32′—119°54′		A-7
3	MT. RAE, mt., 10,580 ft.	50°37′—114°54′		E-10
3	MT. ROBSON, mt., 12,972 ft.	53°07′—119°07′		A-7
3	MT. ST. BRIDE, mt., 10,955 ft.	51°30′—115°57′		D-9
3	MT. SASKATCHEWAN, mt., 10,964 ft.	52°06′—117°07′		C-8
3	MT. SIR DOUGLAS, mt., 11,174 ft.	50°43′—115°21′		E-10
3	MT. TEMPLE, mt., 11,626 ft.	51°21′—116°13′		D-9
3	MT. WILLINGDON, mt., 11,066 ft.	51°45′—116°15′		D-9
22	MUDDY, r.	57°32′—115°29′		E-3
23	MUDDYWATER, r.	53°47′—119°21′		A-7
157	MULHURST, ha.	53°03′—113°59′	14-47-28-4	G-7
157	MUNDARE, t., 564	53°36′—112°20′	19-53-16-4	H-7
157	MUNSON, v., 37	51°34′—112°45′	15-30-20-4	H-9
23	MURIEL, l.	54°09′—110°40′		J-6
157	MUSIDORA, ha.	53°42′—111°35′	29-54-11-4	I-7
22	MUSKEG, r.	57°08′—111°36′		I-3
23	MUSKEG, r.	54°01′—119°03′		A-6
22	MUSKWA, l.	56°09′—114°38′		F-4
22	MUSKWA, r.	56°15′—113°48′		G-4
157	MYRNAM, v., 457	53°40′—111°14′	14-54-9-4	I-7
157	MYSTERY LAKE, p.o.	54°10′—114°55′	1-60-7-5	F-6
157	NACMINE, ha.	51°28′—112°47′	8-29-20-4	H-9
157	NAMAKA, ha.	50°57′—113°17′	16-23-24-4	G-10
157	NAMAO, ha.	53°43′—113°29′	33-54-24-4	G-7
23	NAMEPI, cr.	54°02′—112°51′		H-6
156	NAMPA, v., 317	56°02′—117°08′	19-81-20-5	C-4
22	NAMUR, l.	57°25′—112°40′		H-3
157	NANTON, t., 940	50°20′—113°45′	15-16-28-4	G-10
22	NARRAWAY, r.	54°44′—119°55′		A-6
2	NAYLOR, hs.	57°37′—117°50′		C-3
157	NEERLANDIA, ha.	54°20′—114°22′	34-61-3-5	F-6
22	NEGUS, cr.	58°53′—118°22′		B-2
157	NEMISKAM, ha.	49°29′—111°16′	22-6-10-4	I-11
157	NESTOW, p.o.	54°14′—113°36′	31-60-24-4	G-6
3	NEUTRAL, hs.	52°10′—110°48′		I-8, J-8
157	NEVIS, ha.	52°20′—113°01′	1-39-22-4	G-8
157	NEW BRIGDEN, p.o.	51°42′—110°29′	34-31-4-4	J-9
157	NEW DAYTON, ha.	49°25′—112°23′	33-5-18-4	H-11
157	NEW NORWAY, v., 213	52°53′—112°58′	11-45-21-4	H-8
157	NEW SAREPTA, v., 179	53°16′—113°08′	34-49-22-4	G-7
157	NEWBROOK, ha.	54°19′—112°57′	5-62-20-4	H-6
23	NEWELL, l.	50°26′—111°55′		I-10
157	NIGHTINGALE, stn.	51°10′—113°20′	29-25-24-4	G-9
2	NINISHITH, hs.	59°50′—113°00′		G-1
22	NIPISI, l.	55°47′—114°57′		F-5
22	NIPISI, r.	56°08′—114°38′		F-4
157	NISKU, ha.	53°20′—113°32′	26-50-25-4	G-7
156	NITOKEWIN, ha.	56°59′—117°38′	16-92-23-5	C-4
157	NITON, stn.	53°40′—115°46′	18-54-12-5	E-7
157	NOBLEFORD, v., 392	49°53′—113°03′	3-11-23-4	G-11
157	NOJACK, ha.	53°37′—115°34′	8-54-11-5	E-7
156	NORAL, p.o.	54°39′—112°22′	28-65-16-4	H-6
157	NORBUCK, p.o.	53°01′—114°30′	35-46-4-5	F-7
157	NORDEGG, ha.	52°28′—116°05′	27-40-15-5	C-8
23	NORDEGG, r.	52°53′—115°18′		E-8
157	NORMA, stn.	53°43′—112°03′	31-54-14-4	H-7
157	NORTH COOKING LAKE, p.o.	53°28′—112°58′	6-52-20-4	H-7
22	NORTH HEART, r.	56°01′—116°58′		D-4
23	NORTH MILK, r.	49°08′—112°23′		H-11
23	NORTH RAM, r.	52°16′—115°38′		E-8
23	NORTH SASKATCHEWAN, r.	53°06′—110°00′		D-8, I-7
156	NORTH STAR, ha.	56°51′—117°38′	32-90-23-5	C-4
22	NORTH STEEPBANK, r.	56°51′—111°04′		I-4
22	NORTH WABSCA, l.	56°00′—113°55′		G-4
156	NORTHMARK, p.o.	55°36′—118°54′	20-76-6-6	B-5
157	NORTHVILLE, p.o.	53°37′—115°21′	25-53-10-5	E-7
22	NOSE, cr.	54°52′—119°38′		A-6
22	NOTIKEWIN, r.	57°17′—117°08′		C-3
157	OBED, stn.	53°33′—117°12′	6-53-22-5	C-7
157	OHATON, ha.	52°59′—112°40′	14-46-19-4	H-8
157	OKOTOKS, t., 1,041	50°44′—113°59′	28-20-29-4	G-10
23	OLDMAN, cr.	54°12′—116°03′		D-6
23	OLDMAN, r.	49°57′—111°42′		I-11
157	OLDS, t., 3,240	51°47′—114°06′	32-32-1-5	F-9
157	ONOWAY, v., 378	53°42′—114°12′	35-54-2-5	F-7
157	OPAL, p.o.	53°59′—113°13′	4-58-22-4	G-7
157	ORAS, p.o.	52°23′—114°48′	33-39-6-5	F-8
157	ORION, ha.	49°27′—110°49′	7-6-6-4	J-11
156	OTTAUWAU, r.	55°02′—115°01′		F-5
22	OTTER, l.	55°21′—113°35′		G-5
22	OTTER, ls.	56°43′—116°03′		D-4
157	OWENDALE, p.o.	49°05′—113°05′	1-2-24-4	G-11
22	OWL, cr.	57°48′—115°14′		E-3
22	OWL, r.	54°54′—111°57′		I-6
156	OWL RIVER, ha.	54°54′—111°53′	23-68-13-4	I-6
157	OWLSEYE, ha.	54°03′—111°22′	4-59-10-4	I-6
157	OYEN, t., 923	51°22′—110°28′	34-27-4-4	J-9
23	PADDLE, r.	54°05′—114°15′		F-6
156	PADDLE PRAIRIE, ha.	57°57′—117°29′	18-103-21-5	C-3
157	PAKAN, p.o.	54°01′—112°23′	58-17-4	H-6
23	PAKOWKI, l.	49°20′—110°55′		J-11
22	PAKWANUTIK, r.	58°40′—113°57′		G-2
22	PANNY, r.	57°08′—114°51′		F-3
23	PANTHER, r.	51°39′—115°19′		E-9
157	PARADISE VALLEY, v., 174	53°02′—110°17′	6-47-2-4	J-7
157	PARKLAND, ha.	50°15′—113°39′	16-15-27-4	G-10
22	PARMA, cr.	58°21′—117°13′		C-2
157	PATRICIA, ha.	50°42′—111°40′	13-20-13-4	I-10
	PAULINE, see Mt. Pauline			
22	PEACE, r.	59°00′—111°25′		I-2
156	PEACE POINT, ha.	59°07′—112°25′	117-15-4	H-1
156	PEACE RIVER, t., 5,201	56°14′—117°17′	31-83-21-5	C-4
22	PEERLESS, l.	56°37′—114°40′		F-4
156	PEERLESS LAKE, ha.	56°37′—114°40′	88-4-5	F-4
157	PEERS, ha.	53°40′—116°00′	16-54-14-5	E-7
23	PEKISKO, cr.	50°29′—114°08′		F-10
157	PEKISKO, p.o.	50°26′—114°10′	13-17-2-5	F-10
156	PELICAN PORTAGE, p.o.	55°48′—112°37′	30-78-17-4	H-5
23	PEMBINA, r.	54°45′—114°17′		E-7
22	PETITOT, r.	59°35′—120°00′		A-1
22	PELICAN, l.	55°48′—113°15′		G-5
2	PELICAN, mts.	55°35′—113°40′		G-5
22	PELICAN, r.	55°50′—112°39′		H-5
157	PENDRYL, p.o.	52°58′—114°39′	15-46-5-5	F-8
157	PENHOLD, v., 356	52°08′—113°52′	36-36-28-4	G-8
156	PEORIA, p.o.	55°40′—118°20′	36-76-3-6	B-5
156	PERRYVALE, ha.	54°28′—113°23′	22-63-23-4	G-6
156	PHILOMENA, ha.	55°10′—111°38′	27-71-11-4	I-5
157	PIBROCH, ha.	54°16′—113°52′	5-61-26-4	G-6
157	PICARDVILLE, ha.	54°03′—113°53′	36-58-27-4	G-6
157	PICTURE BUTTE, t., 1,013	49°53′—112°47′	2-11-21-4	H-11
22	PIGEON, l.	53°01′—114°02′		F-7
23	PINCHER, cr.	49°33′—113°46′		G-11
157	PINCHER, ha.	49°32′—113°56′	1-7-30-4	G-11
157	PINCHER CREEK, t., 3,118	49°29′—113°57′	23-6-30-4	G-11
22	PINE, cr.	54°56′—112°31′		H-6
157	PINE LAKE, p.o.	52°07′—113°29′	22-36-25-4	G-8
22	PINEHURST, l.	54°39′—111°25′		I-6
22	PINTO, cr.	54°58′—119°28′		A-6
23	PINTO, cr.	53°51′—117°35′		C-7
157	PIONEER, p.o.	53°46′—116°08′	14-55-15-5	D-7
23	PIPESTONE, cr.	52°58′—113°09′		G-7
23	PIPESTONE, r.	51°26′—116°11′		D-9
22	PITCHIMI, l.	59°00′—114°46′		F-1
157	PLAIN LAKE, p.o.	53°34′—111°42′	15-53-12-4	I-7
156	PLAMONDON, v., 202	54°51′—112°19′	2-68-16-4	H-6
157	POCAHONTAS, ha.	53°12′—117°55′	49-27-5	C-7
157	POE, ha.	53°16′—112°20′	30-49-16-4	H-7
157	POLLOCKVILLE, p.o.	51°06′—111°35′	3-25-12-4	I-9
157	PONOKA, t., 4,487	52°42′—113°35′	4-43-25-4	G-8

22	PONTON, r.	58°27'—116°11'		D-2
3	PORCUPINE, hs.	49°55'—114°00'		F-10, G-11
23	POTHOLE, cr.	49°34'—112°50'		H-11
22	POUCE COUPE, r.	56°08'—119°53'		A-5
23	PRAIRIE, cr.	52°20'—114°55'		F-8
23	PRAIRIE, cr.	50°52'—114°47'		A-6
157	PRIDDIS, p.o.	50°53'—114°20'	22-3-5	F-10
156	PROSPERITY, p.o.	54°49'—112°53'	19-67-19-4	H-6
157	PROVOST, t., 1,344	52°21'—110°16'	17-39-2-4	J-8
157	PURPLE SPRINGS, p.o.	49°49'—111°54'	18-10-14-4	I-11
22	PUSKWASKAU, r.	55°29'—118°10'		B-5
157	RADWAY, v., 158	54°04'—112°57'	32-58-20-4	H-6
	RAE, see Mt. Rae			
22	RAINBOW, l.	58°17'—119°16'		A-2
156	RAINBOW LAKE, t., 380	58°17'—119°16'	109-9-6	A-2
157	RAINIER, p.o.	50°22'—112°05'	23-16-16-4	H-10
	RAJAH, THE, see The Rajah			
157	RALSTON, p.o.	50°15'—111°10'	10-15-9-4	I-10
23	RAM, r.	52°23'—115°25'		E-8
157	RANFURLY, ha.	53°25'—111°41'	15-51-12-4	I-7
157	RANGETON, p.o.	53°44'—115°03'	13-55-8-5	E-7
23	RAT, cr.	53°08'—115°28'		E-7
157	RAVEN, p.o.	52°05'—114°29'	14-36-4-5	F-8
23	RAVEN, r.	52°02'—114°22'		F-8
157	RAYMOND, t., 1,950	49°27'—112°39'	8-6-20-4	H-11
157	RED DEER, c., 26,730	52°16'—113°48'	16-38-27-4	G-8
23	RED DEER, l.	52°43'—113°02'		G-8
23	RED DEER, r.	50°58'—110°[illegible]		J-10
157	RED WILLOW, ha.	52°27'—1[illegible]	[illegible]4	H-8
3	REDCAP, mt., 7,852 ft.	52°[illegible]		C-8
157	REDCLIFF, t., 2,141	[illegible]	[illegible]	J-10
22	REDEARTH, cr.	[illegible]		E-4
157	REDEARTH, p.o.	5[illegible]—113°00'	10-27-22-4	G-9
23	REDWATER, r.	53°[illegible]'—112°58'		H-7
157	REDWATER, t., 1,502	53°57'—113°05'	30-57-21-4	G-7
22	REDWILLOW, r.	55°02'—119°18'		A-5
23	REITA, l.	54°08'—110°25'		[illegible]
156	RENO, ha.	56°00'—117°00'	1-[illegible]	[illegible]
23	RESTLESS, r.	52°48'—117°23'		[illegible]
157	RETLAW, stn.	50°04'—112°16'	[illegible]	[illegible]
23	RIBSTONE, cr.	[illegible]°52'—110°05'		[illegible]
157	RIBSTONE, ha.	52°42'—110°15'	17-43[illegible]	J-8
22	RICH, l.	54°3[illegible]—111°33'		I-6
156	RICH LAKE, p.o.	54°30'—111°37'	5-64-11-4	I-6
157	RICH VALLEY, ha.	53°51'—114°21'	22-56-3-5	F-7
22	RICHARDSON, l.	58°23'—111°02'		I-2
22	RICHARDSON, r.	58°25'—111°14'		I-2
157	RICHDALE, p.o.	51°37'—111°36'	34-30-12-4	I-9
156	RICHMOND PARK, p.o.	54°53'—113°11'	19-68-21-4	G-6
157	RICINUS, p.o.	52°05'—114°57'	9-36-7-5	F-8
157	RIMBEY, t., 1,502	52°38'—114°14'	28-42-2-5	F-8
156	RIO GRANDE, p.o.	55°06'—119°42'	36-70-12-6	A-5
157	RIVERCOURSE, ha.	53°01'—110°03'	34-46-1-4	J-7
157	RIVIERE QUI BARRE, ha.	53°47'—113°52'	30-55-26-4	G-7
157	ROBB, ha.	53°13'—116°58'	15-49-21-5	C-7
22	ROBERTSON, l.	59°28'—113°00'		G-1
	ROBSON, see Mt. Robson			
157	ROCHESTER, ha.	54°22'—113°27'	24-62-24-4	G-6
157	ROCHFORT BRIDGE, ha.	53°55'—115°02'	7-57-7-5	E-7
157	ROCHON SANDS, s.v.	52°28'—112°53'	24-40-20-4	H-8
22	ROCK ISLAND, l.	55°22'—113°30'		G-5
23	ROCKY, r.	53°08'—117°59'		C-7
156	ROCKY LANE, ha.	58°27'—116°22'	36-109-15-5	D-2
157	ROCKY MT. HOUSE, t., 2,713	52°22'—114°55'	22-39-7-5	F-8
157	ROCKY RAPIDS, ha.	53°17'—114°57'	4-50-7-5	F-7
157	ROCKYFORD, v., 292	51°13'—113°08'	22-26-23-4	G-9
22	ROE, cr.	59°13'—117°26'		C-1
157	ROLLING HILLS, ha.	50°13'—111°45'	6-15-13-4	I-10
23	ROLLING HILLS, l.	50°30'—111°55'		I-10
157	ROLLY VIEW, p.o.	53°15'—113°20'	29-49-23-4	G-7
157	ROSALIND, v., 216	52°47'—112°27'	17-44-17-4	H-8
23	ROSE, cr.	53°03'—115°02'		E-7
23	ROSEBUD, r.	51°25'—112°38'		H-9
157	ROSEDALE, ha.	51°25'—112°38'	29-28-19-4	H-9
157	ROSEMARY, v., 210	50°46'—112°05'	1-21-16-4	H-10
157	ROSEVEAR, p.o.	53°40'—116°09'	16-54-15-5	D-7
23	ROSS, cr.	50°03'—110°40'		J-10
157	ROSSINGTON, p.o.	54°10'—114°03'	9-60-1-5	F-6
157	ROSYTH, stn.	52°38'—111°13'	27-42-9-4	I-8
22	ROUND, l.	65°46'—114°35'		F-4
157	ROUND HILL, ha.	53°10'—112°38'	30-48-18-4	H-7
157	ROUND VALLEY, p.o.	53°21'—114°57'	28-50-7-5	F-7
22	ROUSSEAU, cr.	56°45'—117°30'		C-4
157	ROWLEY, ha.	51°46'—112°47'	21-32-20-4	H-9
157	ROYAL PARK, p.o.	53°32'—112°12'	31-52-15-4	H-7
157	ROYALTIES, p.o.	50°33'—114°14'	28-33-2-5	F-10
22	RUIS, l.	58°25'—113°48'		G-2
157	RUMSEY, v., 104	51°51'—112°51'	24-33-21-4	H-9
22	RUSSELL, l.	57°03'—115°50'		E-3
157	RUSYLVIA, stn.	53°37'—110°50'	28-53-6-4	J-7
22	RYAN, l.	59°10'—111°03'		I-1
156	RYCROFT, v., 577	55°45'—118°43'	16-78-5-6	B-5
157	RYLEY, v., 469	53°17'—112°26'	4-50-17-4	H-7
2	SADDLE, hs.	55°31'—119°05'		A-5, B-5
22	SADDLE (Burnt), r.	55°55'—118°09'		B-5
157	ST. ALBERT, t., 10,243	53°38'—113°38'	4-54-25-4	G-7
	ST. BRIDE, see Mt. St. Bride			
157	ST. BRIDES, p.o.	53°59'—111°33'	10-58-11-4	I-7
157	ST. EDOUARD, p.o.	53°59'—111°08'	9-58-8-4	I-7
157	ST. FRANCIS, p.o.	53°17'—114°20'	2-50-3-5	F-7
156	ST. ISIDORE, p.o.	56°12'—117°06'	21-83-20-5	C-4
157	ST. LINA, ha.	54°18'—111°27'	21-61-10-4	I-6
23	ST. MARY, r.	49°37'—112°52'		H-11
23	ST. MARY, res.	49°18'—113°11'		G-11
157	ST. MICHAEL, ha.	53°50'—112°38'	9-56-18-4	H-7
157	ST. PAUL, t., 3,857	53°59'—111°17'	8-58-9-4	I-6
157	ST. VINCENT, p.o.	54°09'—111°16'	3-60-9-4	I-6
23	SAKWATAMAU, r.	54°10'—115°43'		E-6
22	SALT, r.	60°00'—112°22'		H-1
22	SAND, r.	54°23'—111°02'		I-5
23	SANDY, l.	55°50'—113°25'		F-7
22	SANDY, l.	53°47'—114°02'		G-5
157	SANDY BEACH, s.v.	53°41'—114°05'	55-1-5	G-7
157	SANGUDO, v., 322	53°53'—114°54'	36-56-7-5	F-7
	SASKATCHEWAN, see Mt. Saskatchewan			
22	SAULTEAUX, r.	55°16'—114°25'		F-5
22	SAWN, l.	56°55'—115°55'		E-4
23	SAWRIDGE, cr.	55°18'—114°43'		F-5
157	SCANDIA, ha.	50°17'—112°02'	19-15-15-4	H-10
157	SCAPA, ha.	51°52'—111°59'	31-33-14-4	I-9
157	SCHULER, ha.	50°20'—110°06'	9-16-1-4	J-10
157	SCOLLARD, p.o.	51°56'—112°50'	19-34-20-4	H-9
157	SCOTFIELD, p.o.	51°33'—111°20'	10-30-10-4	I-9
157	SEBA BEACH, s.v.	53°33'—114°44'	6-53-5-5	F-7
157	SEDALIA, ha.	51°41'—110°40'	21-31-5-4	J-9
157	SEDGEWICK, t., 760	52°46'—111°41'	9-44-12-4	I-8
157	SEEBE, ha.	51°06'—115°04'	33-24-8-5	E-9
22	SEIBERT, l.	54°43'—111°19'		I-6
22	SENEX, cr.	57°37'—115°23'		E-3
157	SENTINEL, ha.	49°38'—114°35'	11-8-5-5	F-11
23	SEVEN PERSONS, cr.	50°03'—110°41'		J-10
157	SEVEN PERSONS, ha.	49°52'—110°54'	4-11-7-4	J-11
156	SEXSMITH, v., 491	55°21'—118°47'	25-73-6-6	B-5
157	SHAUGHNESSY, ha.	49°51'—112°50'	30-10-21-4	H-11
23	SHEEP, cr.	54°05'—119°00'		A-7
23	SHEEP, r.	50°44'—113°51'		A-7
157	SHEERNESS, ha.	51°29'—111°41'	18-29-12-4	I-9
157	SHEPARD, ha.	50°57'—113°55'	18-23-28-4	G-10
157	SHERWOOD PARK, ha.	53°31'—113°19'	27-52-23-4	G-7
157	SHINING BANK, p.o.	53°53'—115°59'	32-56-14-5	E-7
22	SHOAL, l.	54°17'—114°27'		F-4
157	SHOAL CREEK, p.o.	54°18'—114°14'	28-61-2-5	F-6
23	SHOOTING, l.	52°12'—112°21'		H-8
22	SHORTT, l.	56°28'—110°14'		J-4
157	SHOULDICE, ha.	50°43'—112°59'	22-20-22-4	H-10
23	SHUNDA, cr.	52°28'—115°47'		E-8
157	SIBBALD, ha.	51°23'—110°09'	13-28-2-4	J-9
23	SIFFLEUR, r.	52°04'—116°24'		D-8
157	SIVER BEACH, s.v.	53°02'—113°58'	2-47-28-4	G-7
157	SILVER HEIGHTS, p.o.	52°18'—111°13'	3-39-9-4	I-8
156	SILVERWOOD, stn	55°41'—118°43'	20-77-5-6	B-5
22	SIMONETTE, r	55°09'—118°15'		B-6
	SIR DOUGLA[illegible]			
157	[illegible]F, ha.	[illegible]9°30'—111°47'	26-6-14-4	I-11
22	[illegible]VE, r.	[illegible]0°09'—111°40'		I-1
156	SLAVE LAKE[illegible]	55°17'—114°46'	36-72-6-5	F-5
157	SMITH, ha.	55°10'—114°02'	23-71-1-5	F-5
22	SMO[illegible] r.	56°11'—117°19'		C-5
157	SMOKY LAKE, t., 893	54°07'—112°28'	22-59-17-4	H-6
23	SNAKE INDIAN, r.	53°11'—118°00'		B-7
3	SNARING, mt., 9,615 ft.	53°02'—118°20'		B-7
23	SNARING, r.	53°00'—118°05'		B-7
22	SNIPE, cr.	55°18'—116°57'		D-5
22	SNIPE, l.	55°07'—116°47'		D-5
23	SOUNDING, cr.	52°06'—110°28'		J-9
23	SOUNDING, l.	52°08'—110°29'		J-8
22	SOUSA, cr.	58°49'—118°46'		B-2
22	SOUTH HEART, r.	55°34'—116°11'		D-5
23	SOUTH SASKATCHEWAN, r.	50°53'—110°00'		J-10
22	SOUTH WABASCA, l.	55°55'—113°45'		G-5
22	SOUTH WHITEMUD, r.	56°41'—118°22'		B-4
23	SOUTHESK, r.	52°43'—116°50'		D-8
157	SPEDDEN, ha.	54°08'—111°43'	34-59-12-4	I-6
22	SPENCER, l.	54°48'—111°15'		I-6
22	SPIRIT, r.	55°48'—118°22'		B-5
156	SPIRIT RIVER, t., 1,136	55°[illegible]—118°50'	22-78-6-6	B-5
157	SPONDIN, p.o.	51°52'—111°36'	27-33-12-4	I-9
157	SPRING COULEE, ha.	49°20'—113°03'	28-4-23-4	G-11
23	SPRAY, r.	51°09'—115°34'		F-9
23	SPRAY LAKES, res.	50°54'—115°20'		E-10
157	SPRUCE GROVE, v., 667	53°32'—113°55'	3-53-27-4	G-7
156	SPRUCE VALLEY, p.o.	54°51'—112°48'	2-68-19-4	H-6
157	SPRUCEFIELD, p.o.	54°11'—112°49'	7-60-19-4	H-6
157	SPRUCEVIEW, ha.	52°10'—114°25'	14-36-3-5	F-8
22	SQUARE, cr.	57°01'—119°05'		A-4
157	STAND OFF, p.o.	49°29'—113°18'	9-6-25-4	G-11
157	STANDARD, v., 291	51°07'—112°59'	3-25-22-4	H-9
157	STANGER, p.o.	53°46'—114°49'	21-55-6-5	F-7
157	STANMORE, p.o.	51°35'—111°30'	20-30-11-4	I-9
157	STAR, p.o.	53°49'—112°46'	9-56-19-4	H-7
23	STAUFFER, cr.	52°05'—114°30'		F-8
157	STAUFFER, p.o.	52°10'—114°35'	14-37-5-5	F-8
157	STAVELY, t., 317	50°10'—113°38'	8-14-27-4	G-10
22	STEEN, r.	59°35'—117°10'		C-1
156	STEEN RIVER, stn.	59°38'—117°10'	27-122-19-5	C-1
22	STEEPBANK, r.	57°01'—111°28'		I-3
22	STEEPBANK, r.	58°18'—112°03'		H-2
157	STERCO, stn.	53°06'—116°49'	35-47-20-5	D-7
157	STETTLER, t., 4,351	52°19'—112°43'	5-39-19-4	H-8
23	STIMSON, cr.	50°28'—114°10'		F-10
157	STIRLING, v., 390	49°30'—112°31'	29-6-19-4	H-11
157	STONY PLAIN, t., 1,464	53°02'—114°00'	36-52-1-5	F-7
157	STRATHMORE, t., 1,025	51°03'—113°23'	14-24-25-4	G-9
23	STRAWBERRY, cr.	53°20'—114°03'		F-7
157	STREAMSTOWN, ha.	53°26'—110°11'	26-51-2-4	J-7
157	STROME, v., 239	52°48'—112°04'	23-44-15-4	H-8
22	STURGEON, cr.	55°07'—117°17'		C-5
22	STURGEON, l.	55°06'—117°32'		C-5
23	STURGEON, r.	53°46'—113°10'		G-7
156	STURGEON HEIGHTS, ha.	55°05'—117°40'	25-70-25-5	C-5
157	SUFFIELD, ha.	50°12'—111°10'	34-14-9-4	I-10
23	SULLIVAN, l.	52°00'—112°00'		I-8
23	SULPHUR, r.	53°50'—119°10'		A-7
157	SUNDRE, t., 805	51°48'—114°38'	3-33-5-5	F-9
157	SUNLAND, p.o.	53°58'—112°15'	1-58-16-4	H-7
157	SUNNYBROOK, ha.	53°12'—114°13'	3-49-2-5	F-7
157	SUNNYNOOK, ha.	51°17'—111°40'	8-27-12-4	I-9
157	SUNNYSITE, ha.	49°19'—112°23'	17-4-18-4	H-11
157	SUNNYSLOPE, ha.	51°40'—113°32'	13-31-26-4	G-9
156	SUNSET HOUSE, p.o.	55°07'—116°52'	5-71-19-5	D-5
23	SUNWAPTA, r.	52°32'—117°41'		C-8
157	SWALWELL, ha.	51°34'—113°19'	9-30-24-4	G-9
2	SWAN, hs.	54°52'—115°10'		E-6
22	SWAN, r.	55°26'—115°18'		E-5
156	SWAN HILLS, t., 1,521	54°43'—115°24'	23-66-10-5	E-6
23	SYLVAN, l.	52°21'—114°10'		F-8
157	SYLVAN LAKE, t., 1,352	52°19'—114°05'	33-38-1-5	F-8
157	TABER, t., 4,603	49°47'—112°08'	5-10-16-4	H-11
22	TALBOT, l.	57°28'—115°43'		E-3
157	TALBOT, p.o.	52°14'—111°16'	6-38-9-4	I-8
156	TANGENT, ha.	55°48'—117°40'	32-78-24-5	C-5
156	TAR ISLAND, ha.	56°59'—111°27'	26-92-10-4	I-4
157	TAWATINAW, ha.	54°18'—113°29'	26-61-24-4	G-6
22	TAWATINAW, r.	54°42'—113°17'		G-6
156	TEEPEE CREEK, p.o.	55°22'—118°24'	5-74-3-6	B-5
157	TEES, ha.	52°28'—113°19'	25-40-24-4	G-8
157	TELFORDVILLE, p.o.	53°16'—114°10'	36-49-2-5	F-7
	TEMPLE, see Mt. Temple			
3	THE RAJAH, mt., 9,903 ft.	53°16'—118°33'		B-7
3	THE THREE SISTERS, mt., 9,744 ft.	51°02'—115°20'		E-9
157	THELMA, p.o.	49°34'—110°15'	20-7-2-4	J-11
157	THERIEN, ha.	54°14'—111°16'	34-60-9-4	I-6
2	THICKWOOD, hs.	56°40'—112°10'		H-4
23	THISTLE, cr.	52°48'—116°49'		D-8
157	THORHILD, v., 426	54°10'—113°07'	5-60-21-4	G-6
157	THORSBY, v., 600	53°14'—114°03'	14-49-1-5	F-7
156	THREE CREEKS, ha.	56°21'—117°05'	15-85-20-5	C-4
23	THREE HILLS, cr.	51°32'—112°53'		H-9
157	THREE HILLS, t., 1,452	51°42'—113°16'	36-31-24-4	G-9
	THREE SISTERS, see The Three Sisters			
157	THREE SISTERS, stn.	51°02'—115°20'	13-24-10-5	E-9
23	THREEPOINT, cr.	50°44'—114°12'		F-10
157	THRONE, p.o.	52°03'—111°17'	31-35-9-4	I-8
22	THURSTON, l.	59°56'—118°07'		B-1
157	TIGER LILY, p.o.	54°11'—114°46'	13-60-6-5	F-6
157	TILLEY, v., 254	50°27'—111°39'	19-17-12-4	I-10
23	TIMEU, cr.	54°28'—114°27'		F-6
156	TIMEU, p.o.	54°30'—114°35'	6-64-4-5	F-6
23	TODD, cr.	49°36'—114°08'		F-11
157	TOFIELD, t., 952	53°22'—112°40'	1-51-19-4	H-7
157	TOLLAND, p.o.	53°08'—110°40'	16-48-5-4	J-7
157	TOMAHAWK, ha.	53°24'—114°46'	12-51-6-5	F-7
23	TONY, cr.	54°22'—117°03'		C-6
157	TOPLAND, p.o.	54°22'—114°58'	15-62-7-5	F-6
3	TORNADO, mt., 10,167 ft.	49°58'—114°39'		F-11
157	TORRINGTON, v., 132	51°48'—113°35'	34-32-26-4	G-9
22	TOUCHWOOD, l.	54°49'—111°23'		I-6
23	TRAP, cr.	50°28'—114°25'		F-10
157	TRAVERS, ha.	50°15'—112°33'	9-15-19-4	H-10
23	TRAVERS, res.	50°12'—112°15'		H-10
156	TRIANGLE, p.o.	55°26'—116°43'	28-74-18-5	D-5
22	TRIDENT, cr.	58°47'—113°26'		G-2
157	TROCHU, t., 750	51°49'—113°13'	17-33-23-4	G-9
23	TROUT, cr.	49°58'—113°40'		G-11
22	TROUT, r.	56°17'—113°49'		G-4
22	TUCKER, l.	54°32'—110°37'		J-6
157	TUDOR, stn.	51°10'—113°09'	33-25-23-4	G-9
157	TULLIBY LAKE, p.o.	53°43'—110°11'	2-55-2-4	J-7
157	TURIN, ha.	49°58'—112°31'	4-12-19-4	H-11
157	TURNER VALLEY, v., 716	50°40'—114°17'	12-20-3-5	F-10
157	TWIN BUTTE, p.o.	49°16'—113°51'	4-4-29-4	G-11
157	TWIN RIVER, p.o.	49°02'—112°36'	10-1-20-4	H-11
157	TWO HILLS, t., 1,156	53°43'—111°45'	32-54-12-4	I-7
22	UTIKUMA, l.	55°50'—115°25'		E-5
22	UTIKUMA, r.	56°10'—114°40'		E-4
156	VALHALLA CENTRE, ha.	55°23'—119°23'	17-74-9-6	A-5
156	VALLEYVIEW, t., 1,827	55°04'—117°17'	21-70-22-5	C-5
22	VARDIE, r.	58°50'—119°08'		A-2
157	VAUXHALL, t., 930	50°04'—112°07'	10-13-16-4	H-10
157	VEGA, p.o.	54°25'—114°24'	34-62-3-5	F-6
157	VEGREVILLE, t., 3,680	53°30'—112°03'	18-52-14-4	H-7
157	VENICE, ha.	54°42'—112°08'	11-66-15-4	H-6
23	VERMILION, r.	53°39'—110°20'		J-7
157	VERMILION, t., 2,685	53°22'—110°51'	32-50-6-4	J-7
23	VERNON, l.	52°57'—111°30'		I-8
157	VETERAN, v., 264	52°00'—111°17'	17-35-8-4	I-8
157	VIKING, t., 1,206	53°06'—111°46'	36-47-13-4	I-7
157	VILLENEUVE, ha.	53°40'—113°49'	18-54-26-4	G-7
157	VILNA, v., 344	54°07'—111°55'	20-59-13-4	H-6
157	VIMY, ha.	54°04'—113°39'	33-58-25-4	G-6
157	VIOLET GROVE, ha.	53°10'—115°02'	24-48-8-5	E-7
157	VULCAN, t., 1,612	50°24'—113°15'	5-15-24-4	G-10
157	WABAMUN, ha.	53°33'—114°28'	11-53-4-5	F-7
23	WABAMUN, l.	53°32'—114°35'		F-7
156	WABASCA, ha.	56°00'—113°53'	32-80-25-4	G-4
22	WABASCA, r.	58°22'—115°20'		E-2
22	WADLIN, l.	57°44'—115°35'		E-3
157	WAINWRIGHT, t., 3,867	52°49'—110°52'	31-44-6-4	J-8
156	WALDO, cr.	58°39'—114°03'		F-2
157	WALSH, ha.	49°57'—110°03'	35-11-1-4	J-11
22	WANDERING, r.	55°05'—112°32'		H-5
156	WANDERING RIVER, ha.	55°12'—112°28'	6-72-16-4	H-5
156	WANHAM, v., 294	55°44'—118°24'	4-78-3-6	B-5
3	WAPITI, mt., 9,936 ft.	51°43'—115°45'		E-9
22	WAPITI, r.	55°08'—118°18'		B-5
157	WARBURG, v., 395	53°11'—114°19'	35-48-3-5	F-7
157	WARDLOW, p.o.	50°54'—111°33'	25-22-12-4	I-10
157	WARNER, v., 446	49°17'—112°12'	10-4-17-4	H-11
156	WARRENSVILLE, p.o.	56°18'—117°40'		C-4
157	WARWICK, ha.	53°38'—112°03'	31-53-14-4	H-7
157	WASEL, p.o.	53°59'—112°07'	2-58-15-4	H-7
22	WASKAHIGAN, r.	54°45'—117°12'		C-6
157	WASKATENAU, v., 283	54°07'—112°47'	16-59-19-4	H-6
156	WATCHUSK, l.	56°10'—110°38'		J-4
157	WATER VALLEY, p.o.	51°30'—114°36'	27-29-5-5	F-9
23	WATERTON, ls.	49°03'—113°54'		G-11
23	WATERTON, r.	49°32'—113°17'		G-11
157	WATERTON PARK, ha.	49°03'—113°55'	23-1-30-4	G-11
156	WATINO, ha.	55°43'—117°37'	34-77-24-5	C-5
157	WATTS, stn.	51°40'—112°05'	17-31-15-4	H-9
157	WAUGH, p.o.	54°02'—113°25'	19-58-23-4	G-6
23	WAVY, l.	52°53'—112°04'		H-8
157	WAYNE, ha.	51°23'—112°39'	7-28-19-4	H-9
157	WEASEL CREEK, p.o.	54°11'—112°55'	8-60-20-4	H-6
157	WELLING, p.o.	49°28'—112°47'	17-6-21-4	H-11
156	WEMBLEY, v., 298	55°09'—119°08'	15-71-8-6	A-5
22	WENTZEL, l.	59°02'—114°28'		F-1
22	WENTZEL, r.	58°33'—114°31'		F-2
157	WEST COVE, s.v.	53°40'—114°30'	34-54-4-5	F-7
22	WEST PRAIRIE, r.	55°30'—116°31'		D-5
157	WESTCOTT, p.o.	51°37'—114°19'	35-30-3-5	F-9
157	WESTERN MONARCH, p.o.	51°20'—112°28'	21-27-18-4	H-9
157	WESTROSE, ha.	52°58'—113°59'	12-46-1-5	F-8
157	WESTLOCK, t., 2,919	54°09'—113°52'	5-60-26-4	G-6
157	WESTWARD HO, ha.	51°47'—114°31'	32-32-4-5	F-9
157	WETASKIWIN, c., 6,154	52°58'—113°22'	14-46-24-4	G-8
23	WHIRLPOOL, r.	52°44'—117°57'		C-8
23	WHITE EARTH, cr.	54°04'—112°14'		H-6
157	WHITECOURT, t., 2,480	54°09'—115°41'	35-59-12-5	E-6
23	WHITEFISH, l.	54°22'—111°53'		I-6
156	WHITELAW, ha.	56°07'—118°04'	15-82-1-6	B-4
2	WHITEMUD, hs.	56°22'—117°50'		B-4
22	WHITEMUD, r.	56°40'—117°10'		C-4
23	WHITERABBIT, cr.	52°06'—116°25'		D-8
22	WHITESAND, r.	60°00'—115°34'		E-1
157	WHITFORD, ha.	53°52'—112°13'	30-56-15-4	H-7
23	WHITFORD, l.	53°52'—112°15'		H-7
22	WIAU, l.	55°23'—111°18'		I-5
156	WIDEWATER, ha.	55°22'—115°02'	32-73-7-5	E-5
157	WILD HORSE, p.o.	49°00'—110°13'	4-1-2-4	J-11
23	WILDHAY, r.	54°02'—117°20'		C-7
157	WILDWOOD, v., 403	53°57'—115°14'	27-53-9-5	E-7
	WILLINGDON, see Mt. Willingdon			
157	WILLINGDON, v., 393	53°50'—112°08'	11-56-15-4	H-7
23	WILLOW, cr.	49°46'—113°25'		G-11
22	WILLOW, r.	55°58'—113°55'		G-5
157	WIMBORNE, ha.	51°52'—113°35'	26-33-26-4	G-9
22	WINAGAMI, l.	55°37'—116°44'		D-5
23	WINDFALL, cr.	54°15'—116°10'		D-6
157	WINDFALL, ha.	54°11'—116°13'	17-60-15-5	D-6
22	WINEFRED, l.	55°30'—110°31'		J-5
22	WINEFRED, r.	56°02'—110°36'		J-5
157	WINFIELD, ha.	52°58'—114°26'	18-46-3-5	F-8
157	WINNIFRED, p.o.	49°54'—111°12'	17-11-9-4	I-11
3	WINTERING, hs.	51°13'—112°34'		H-9
156	WOKING, ha.	55°35'—118°46'	19-76-5-6	B-5
23	WOLF, cr.	53°38'—116°17'		D-7
22	WOLF, l.	54°42'—110°57'		J-6
22	WOLF, r.	54°42'—111°09'		J-6
22	WOLVERINE, r.	57°45'—116°59'		D-3
22	WOOD BUFFALO, r.	56°28'—113°41'		G-4
22	WOODENHOUSE, r.	56°37'—113°41'		G-4
157	WOODHOUSE, p.o.	49°57'—113°32'	30-11-26-4	G-11
157	WOOLFORD, stn.	49°11'—113°08'	4-3-24-4	G-11
156	WORSLEY, p.o.	56°31'—119°04'	4-86-8-6	A-4
157	WOSTOK, ha.	53°51'—112°28'	16-56-17-4	H-7
157	WRENTHAM, ha.	49°32'—112°10'	36-6-17-4	H-11
22	YATES, r.	60°00'—116°05'		D-1
23	YELLING, cr.	54°10'—111°03'		I-6
157	YOUNGSTOWN, v., 357	51°32'—111°13'	51-32-111-13	I-9
22	ZAMA, l.	58°45'—119°05'		A-2
22	ZAMA, r.	58°52'—118°50'		B-1

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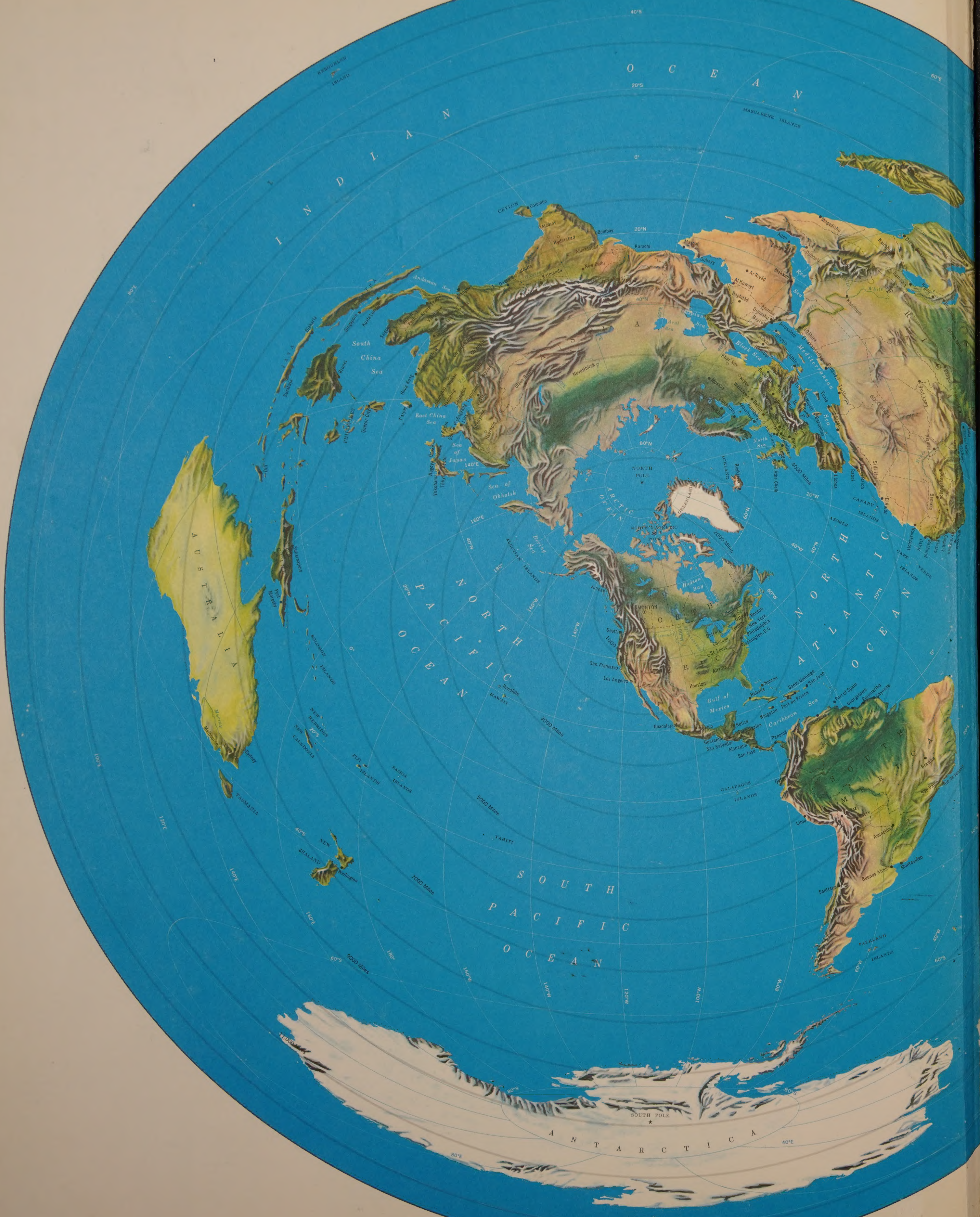
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